MANUAL DE SERVIÇO

TELEVISORES LCD

MODELOS: TV LED LE3264(B)W / LE4064(B)F / DL3260(A)W / DL3960(A)F - STI

ESPECIFICAÇÕES

Tensão de rede:		110 - 220V ~ (60 Hz) automático.
Potência nominal:	LE3264(B)W	44 W
	LE4064(B)F	75 W
	DL3260(A)W	32 W
	DL3960(A)F	47 W
Consumo Stand by:	(Todos os modelos):	< 1 W
Potência de áudio:	(Todos os modelos):	8 W + 8 W (RMS) / 16 ohm
Resoluçao:	LE3264(B)W / DL3260(A)W	1366 x 768
	LE4064(B)F / DL3960(A)F	1920 x 1080
Contraste:	LE3264(B)W	4.000 x 1
	LE4064(B)F	4.000 x 1
	DL3260(A)W	4.000 x 1
	DL3960(A)F	3.000 x 1
Brilho:	(Todos os modelos):	300 cd/m²
Tempo de Resposta:	LE3264(B)W / DL3260(A)W	6,5 ms
	LE4064(B)F / DL3960(A)F	8,5 ms
Peso:	LE3264(B)W	8,2 Kg
	LE4064(B)F	14,7 Kg
	DL3260(A)W	8,2 Kg
	DL3960(A)F	10,6 Kg
Dimensões (Lx A x P):	LE3264(B)W	731x490x183 (731x439x61)
	LE4064(B)F	925x611x230 (925x550x57)
	DL3260(A)W	734x481x183 (734x440x69)
	DL3960(A)F	889x589x231 (889x529x91,3)
Controle Remoto:	(Todos os modelos):	CT-6520
Condições de funcionamento:	Temperatura: 0 ~ 35°C	Umidade: 20 ~ 80% sem condensação.

Sintonizador Analógico

Impedância de entrada de antena:		75 ohm-tipo desbalanceada para VHF/UHF/CABO
Sistema de sintonia		F.S. (Frequency synthetizer)-PLL
Sistema de televisão:		Padrão M-525 linhas
Canais de recepção:	Faixa I-Canais 2 a B	OFF AIR-55,25 MHz a 83,25 MHz-VHF 2 a 6
		CABO-73,25 MHz a 127,25 MHz
	Faixa II-Canais C a LL	OFF AIR-175,25 MHz a 211,25 MHz-VHF 7 a 13
		CABO-133,25 MHz a 367,25 MHz
	Faixa III-Canais MM a 69	OFF AIR-471,25 MHz a 801,25 MHz-UHF 14 a 69
		CABO-373,25 MHz a 463,25 MHz
Freqüências intermediárias:	Portadora de vídeo	45,75 MHz
	Portadora de som	41,25 MHz/ 4,5MHz
	Portadora de croma	42,17 MHz
Freqüências subportadoras de croma:		3,575611MHz ----- (PALM)
		3,582056 MHz ---- (PALN)
		3,579545 MHz ---- (NTSC)

Sintonizador Digital

Impedância de entrada de antena:	75 ohm-tipo desbalanceada para UHF.
Freqüência de entrada:	54~ 864Hz
Modo COFDM:	2K
Constelação:	QPSK, DQPSK, 16QAM, 64QAM
Taxa interna do código:	1/2, 2/3, 3/4, 5/6, 7/8
Intervalo de guarda:	1/4, 1/8, 1/1, 1/32
Sensibilidade:	-76dBm @8K, 64QAM, 7/8, 1/8
a) canal analógico adjacente:	N1 max -33dB / N+1 -35dB máximo
b) canal digital adjacente:	N-1 max -26dB / N+1-29dB máximo
c) análoga do co-canal	máximo do dB 18
Dígito de canais:	24 dB máximo

NE: 769.911

INDÍCE

Especificações: _____Capa

Informações / Instruções de Ajuste:_____3

Esquema Elétrico PLACA PRINCIPAL todos modelos: _____4

Esquema Elétrico PLACA DRIVER LE3264(B)W: _____33

Esquema Elétrico PLACA FONTE LE3264(B)W/DL3260(A)W: _____34

Esquema Elétrico PLACA FONTE LE4064(F)W/DL3960(A)F: _____35

Esquema Elétrico PLACA DRIVER LE4064(F)W: _____38

Esquema Elétrico PLACA DRIVER LE3260(A)W: _____40

Esquema Elétrico PLACA DRIVER LE3960(A)F: _____41

Localização Componentes PCI Principal LExx64B e DLxx60A: _____42

INFORMAÇÕES / INSTRUÇÕES DE AJUSTES

CHECAGEM

VERIFICAÇÃO DA VERSÃO DO SOFTWARE.
No Menu Configuração, selecionar "Atualizar software --> Versão atual".

INFORMAÇÕES ÚTEIS

DESBLOQUEIO DO APARELHO.
Caso o cliente esquecer o código de bloqueio de canais / classificação indicativa, entre com o código “0; 8; 1; 2” para desbloquear e entre com nova senha.
A senha inicial de fábrica é 0; 0; 0; 0.

MODO DE SERVIÇO

ENTRAR NO MODO SERVIÇO.
Pressione a tecla MENU, selecione Contraste e pressione a sequencia "9; 7; 3; 5"
Menu do modo serviço: Main\Factory
1- Factory hotkey On / Off
Mostra o modo fábrica indicando a versão do Software, piscando na tela.
2- WARM-UP On / Off (somente com o Factory hotkey On)
Comuta as telas R, G, B, White, Black. Para sair, pressione a tecla Menu do aparelho.
3- ADC
Sem função
4- White Balance ENTER
Ajuste da escala de cinza das entradas, Componente, AV, HDMI, PC, é ajustado somente no modo HDMI.
5- SHOP init (Option) Do >
Reset em todos os ajustes da TV e entra no modo Configuação inicial.
6- NVM reset Do > OK
Reset dos ajustes internos.
8- Power on mode LAST On STB
Muda o modo do estado de retorno de energia, último modo, ligado ou standby
9- USB UPDATE (Option)
Entra no menu de atualização da TV. (utilizado somente para a atualização do Mboot)
Mboot Upgrade
Inserir dispositivo USB com software Mboot, selecione Mboot Upgrade e dê ENTER.
Selecione sim dê ENTER o software deve estar no formato bin (V8-6328L03-LF1V0xx).
0- Device ID test Do (sem função)
Sem função.
SW NO: Informa a versão do software instalado.
Project Name: mostra o modelo do aparelho (modelo do fornecedor)
SIACP Version: informa a versão.
Date: informa a data de atualização do Software.

MODO HOTEL E PRÉ-AJUSTES

ENTRAR NO MODO HOTEL.
Selecionar contraste no MENU imagem.
Sem entrar no ajuste do contraste, pressionar a sequencia "1; 9; 5; 0".
Design mode hotkey
Mostra o modo fábrica indicando a versão do Software, piscando na tela.
1 - Factory Menu
Entra no Menu Main\Factory
2 - SHOP setting
Entra no menu de ajuste de Loja. (porém naão tem função ajustável)
3 - Other Settings
Entra no Menu Main\Other (onde o ítem WHITE PATTERN mostra as telas coloridas)
Os outros ítems são ajustes de desenvolvimento.
4 - Service menu
Entra no menu product info que dá acesso a informações do aparelho: ID do projeto Error Code (Ativo Inativo), USB Update (Main\Setting Menu) e Hotel enable (Ativo Inativo)

Hotel enable	Ativo / Inativo		Habilita e desabilita o modo Hotel.

5 - Param Setting
Entra no menu de pré ajustes do aparelho (não desajustar)
6 - Hotel menu
Entra no Menu de ajustes do modo Hotel:

POWER LOGO	Inativo	Ativo	Habilita e desabilita o logo ao ligar.
Bloqueio de canais	Inativo	Ativo	Habilita e desabilita acesso ao menu sintonia.
MAX VOL	0~100		Determina o volume máximo da TV.
Auto definição	Inativo	Ativo	

Ativo - habilita o pre-ajuste do PIC (Standard, Vivido, Suave, Utilizador) e o POWER VOL (volume do som ao ligar 0~100)

fonte entrada	Seleciona a fonte em que deve ligar (TV, AV1, YPBPR, AV2, PC HDMI 1, HDMI 2, HDMI 3)
Programar canal	Seleciona o canal da TV em que deve ligar. (fonte entrada deve estar em TV)

KEY LOCK	Inativo	Ativo	Habilita e desabilita as teclas da TV.
Copiar	> Do		Copia os ajustes do menu hotel para USB.
Clone	> Do		Copia os ajustes do menu hotel do USB para a TV.

INFORMAÇÃO/GRAVAÇÃO DE SOFTWARE

GRAVAÇÃO DE PROGRAMAS (SOFTWARE) NO CI.

Mboot		Gravado com GANG WRITER no IC - U302A
	514931	CIRC INT W25Q16
	518777	CIRC INT MBOOT 32/4064(B) GRAV
	Versão	**V8-6328L03-LF1Vxxx (2M)**
SW principal		Gravado com GANG WRITER no IC - U301A
	514904	CIRC INT TC58NVG1S3ETA00
	518795	CIRC INT MAIN-SW 32/4064(B GRV (gravado)
	Versão	**V8-6328L03-LF1Vxxx (85M)**

Obs: Ao consertar um aparelho com defeito nesses circuitos integrados, há a necessidade de trocar por um CI já gravado.
Ao trocar o circuito integrado gravado 518777, há a necessidade de gravar também o MAC adress e o HDCP.
Sem a gravação MAC adress, o aparelho deixará de conectar à rede e sem o HDCP key, não aceitará imagem HD da entrada HDMI.

ATUALIZAÇÃO DE SOFTWARE

ATUALIZAÇÃO DO SOFTWARE PRINCIPAL NO APARELHO.
A atualização do software NA tv é feito via entrada USB, com software copiado no pen Drive no formato:

Nome	Tamanho	Tipo
MS6328LA03_FULL_UPGRADE	85.393 KB	Arquivo BIN
V8-6328L03-LF1 Vxxx	85.201 KB	Arquivo BIN

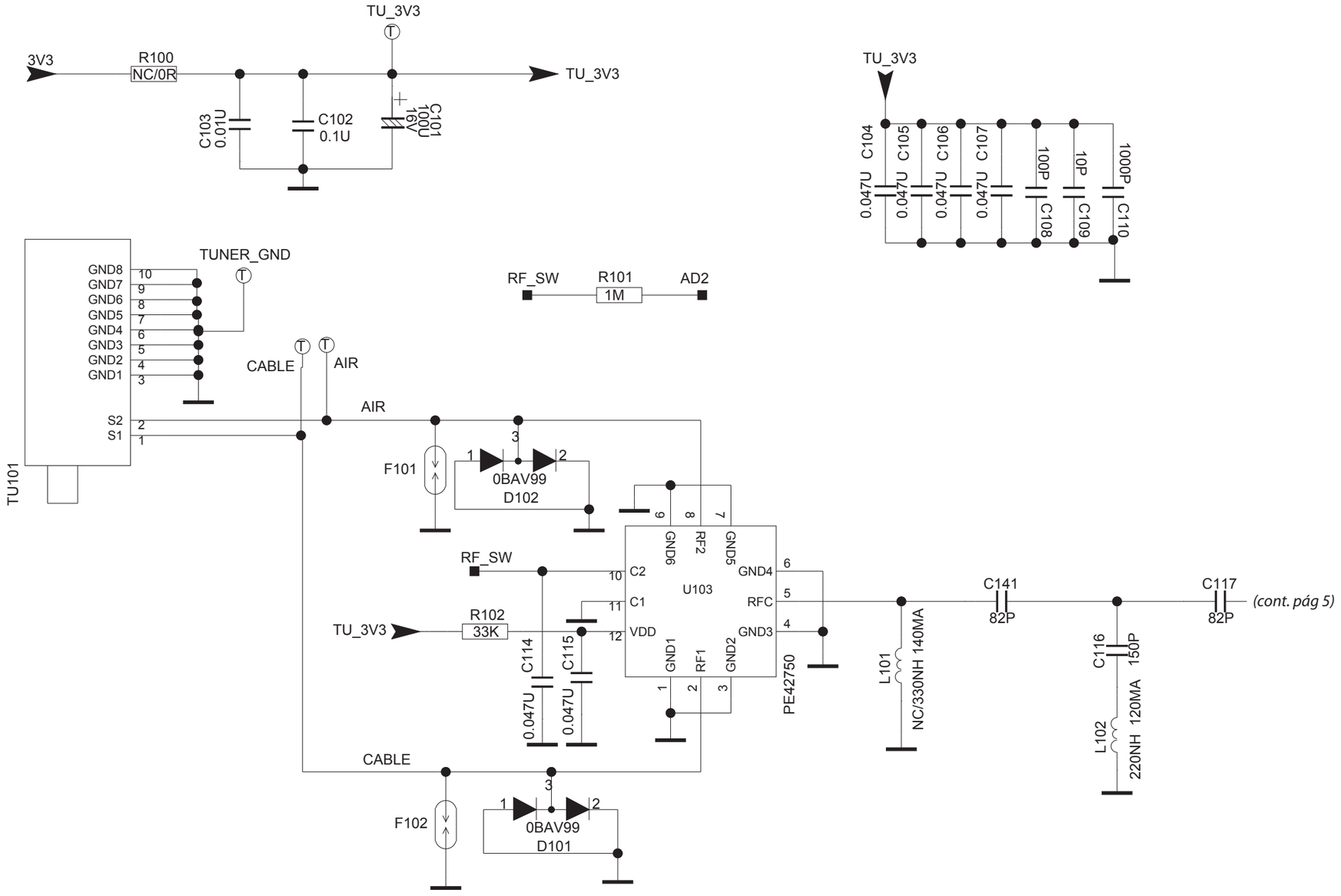
Salve o novo software **MS6328LA03_FULL_UPGRADE** (bin) no diretório raiz do USB.
Conecte o USB com a TV desligada ou em “standby” (a TV deve estar com as teclas de controle) desconecte o cabo de força da tomada.
Pressione e segure a tecla “power”, conecte o cabo de força na tomada e libere a tecla após 2~5, o LED da placa sensor/LED irá piscar e a atualização iniciará, com uma janela de mensagem de alerta e o LED piscando.
Caso versão seja do tipo **"V8-6328L03-LF1Vxxx"** (bin) atualize pelo menu.
Quando a TV voltar a funcionar normalmente, estará finalizada, restaure os ajustes de fábrica para efetivar o novo software.
ATUALIZAÇÃO DO SOFTWARE MBOOT NO APARELHO
Salve o novo software MBOOT no formato **V8-6328L03-LB1Vxxx** (bin) no diretório raiz do USB e conecte na TV em funcionamento. Entre no menu imagem e selecione “Contraste”.
Entre no modo serviço digitando o código “9735” e selecione “9” USB UPDATE (Option) e pressione “ENTER” para abrir a janela “Main\Setting menu”.
Selecione “Mboot Upgrade” e pressione “ENTER”, na janela “Tem a certeza?”, selecione “SIM” e confirme com “ENTER” para iniciar a atualização, aguarde para que a TV atualize o “Mboot“ e retornar ao funcionamento normal
Quando a TV voltar a funcionar normalmente, estará finalizada, restaure os ajustes de fábrica para efetivar o novo software.

IDENTIFICAÇÃO DO PAINEL/MODELO

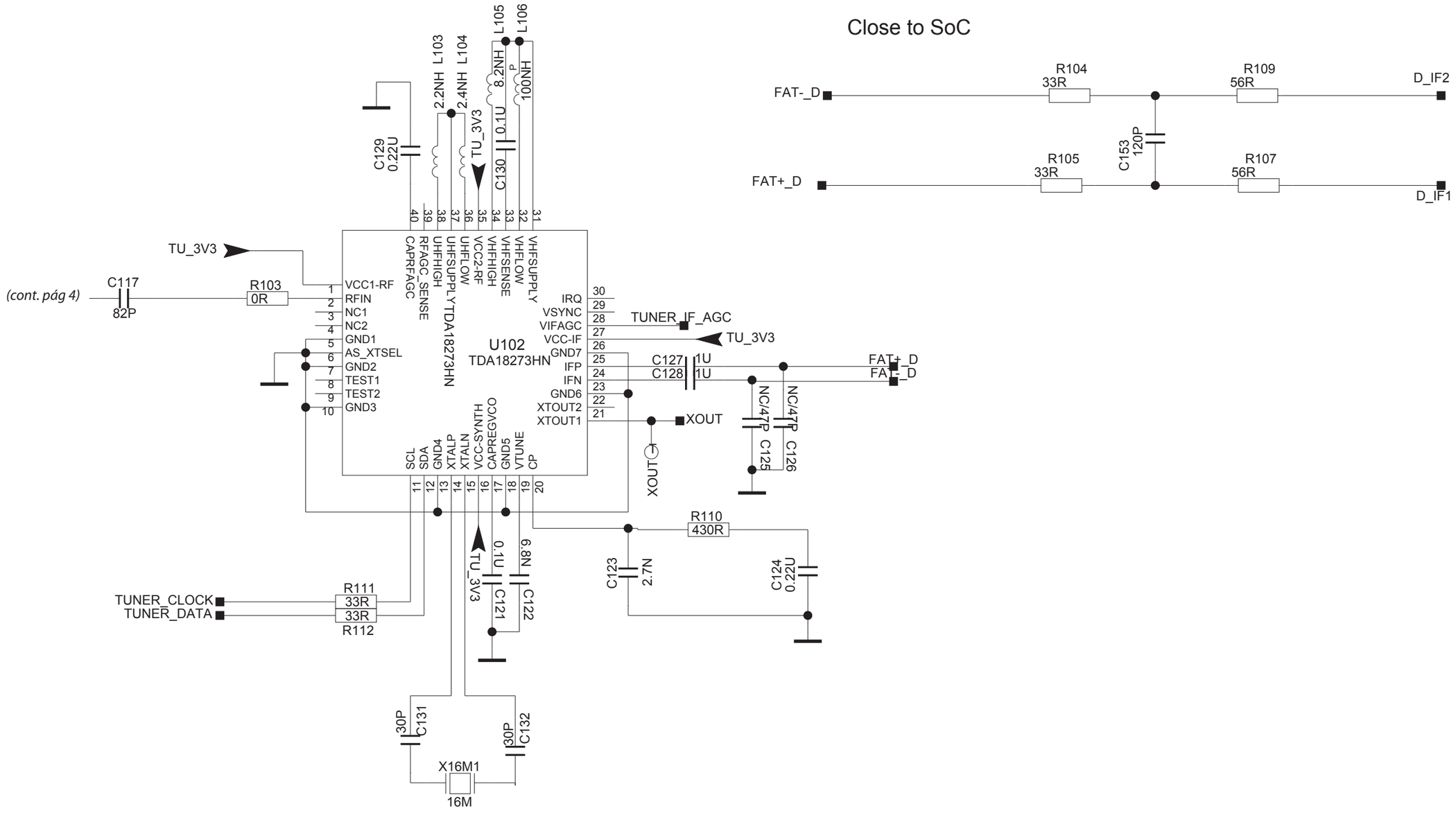
IDENTIFICAÇÃO DO PAINEL/MODELO.
Ao trocar a placa/memória por uma placa de um outro modelo, há a necessidade de informar ao software em qual painel/modelo será utilizado.
Após a troca da placa/memórias, o sistema não reconhece automaticamente o painel que será utilizado e a tela poderá ficar totalmente escura, onde nem o MENU aparece.
Com o LED aceso, entre com o código abaixo para reconhecimento do painel/modelo, mesmo com a tela totalmente escura.
A imagem deverá aparecer.

Modelo	Painel	Código
LE3264(B)W	LVW320NEAL CJUW01 V8	062598+menu+001
LE4064(B)F	LVF400NE2L SJUW00	062598+menu+002
DL3260(A)W	LVW320CSTM E24 V10	062598+menu+003
DL3960(A)F	LVF390NDAL MJPZ01 V3	062598+menu+004

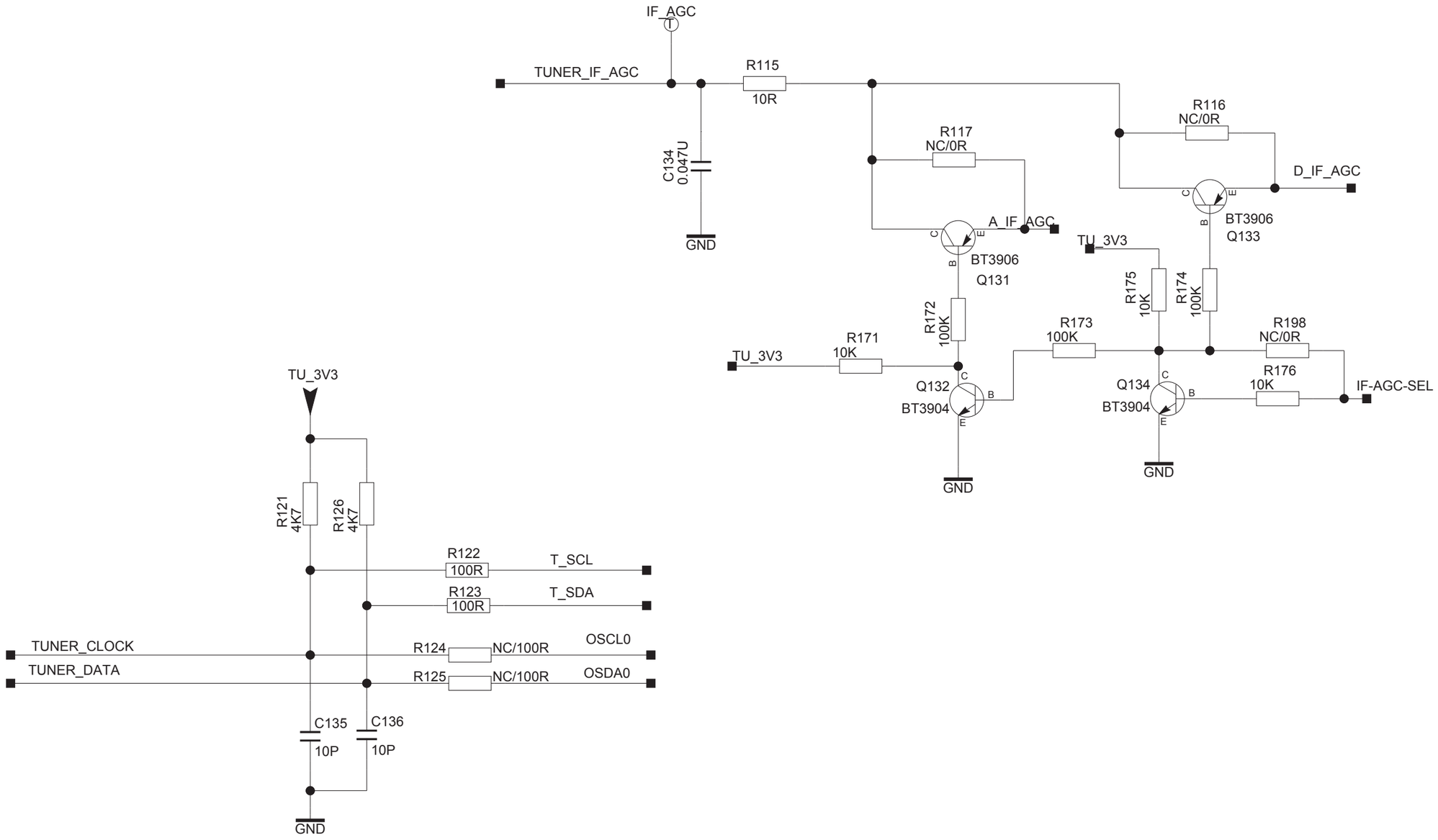
Placa Principal (Todos Modelos)



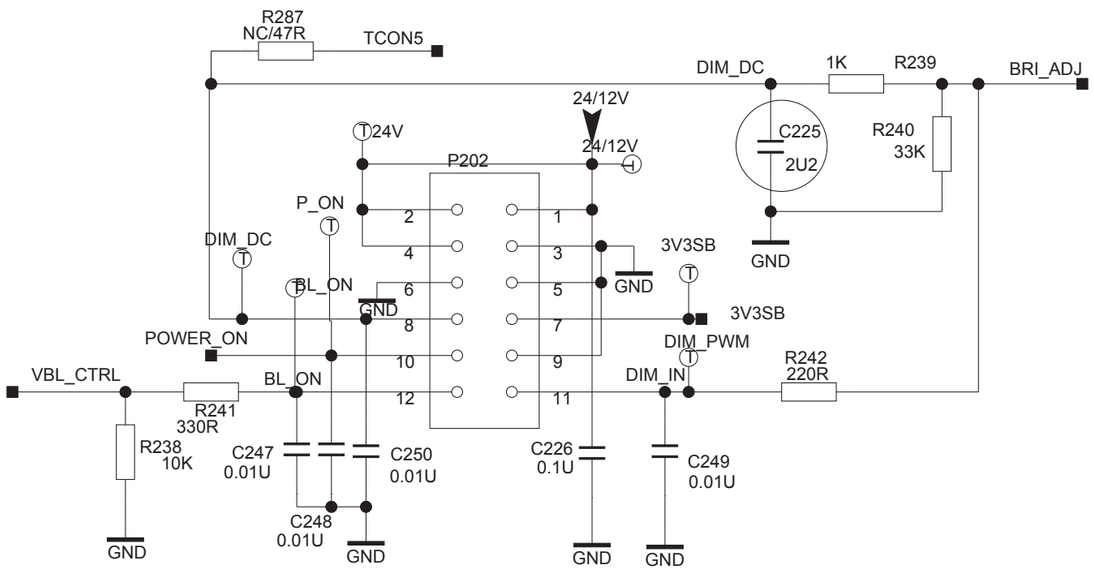
Placa Principal (Todos Modelos)

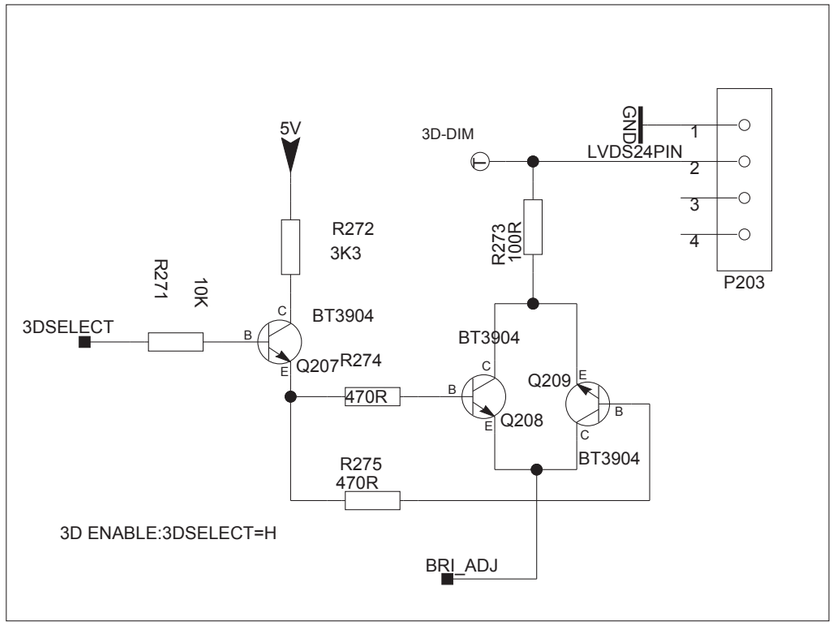


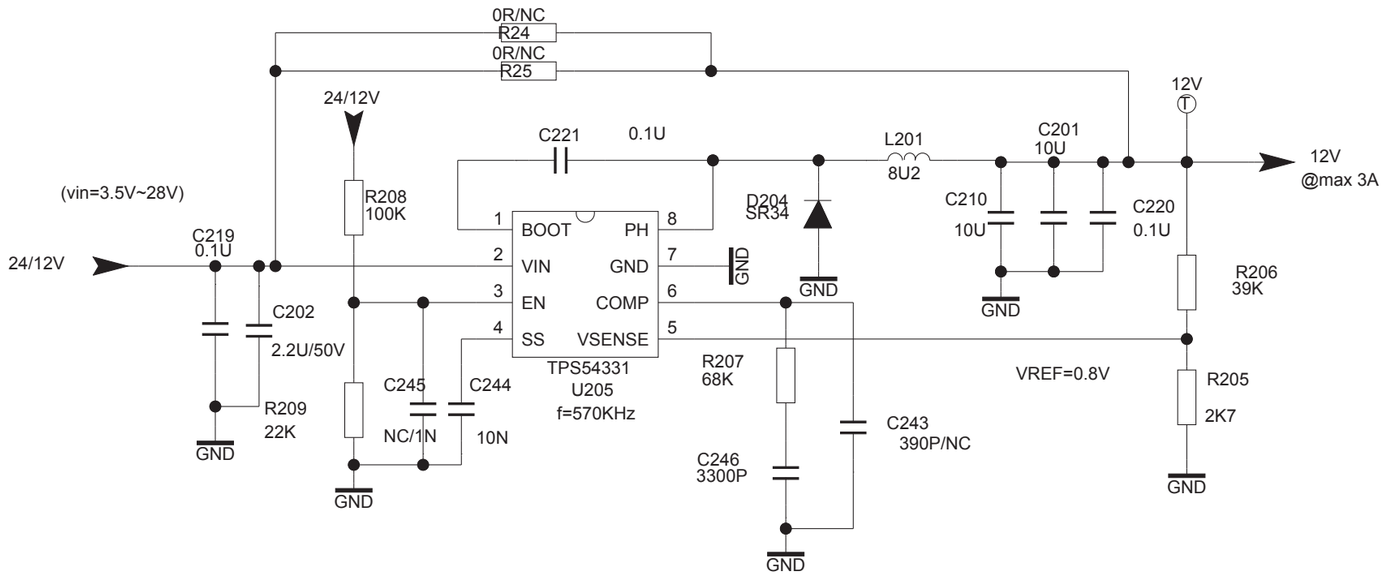
Placa Principal (Todos Modelos)



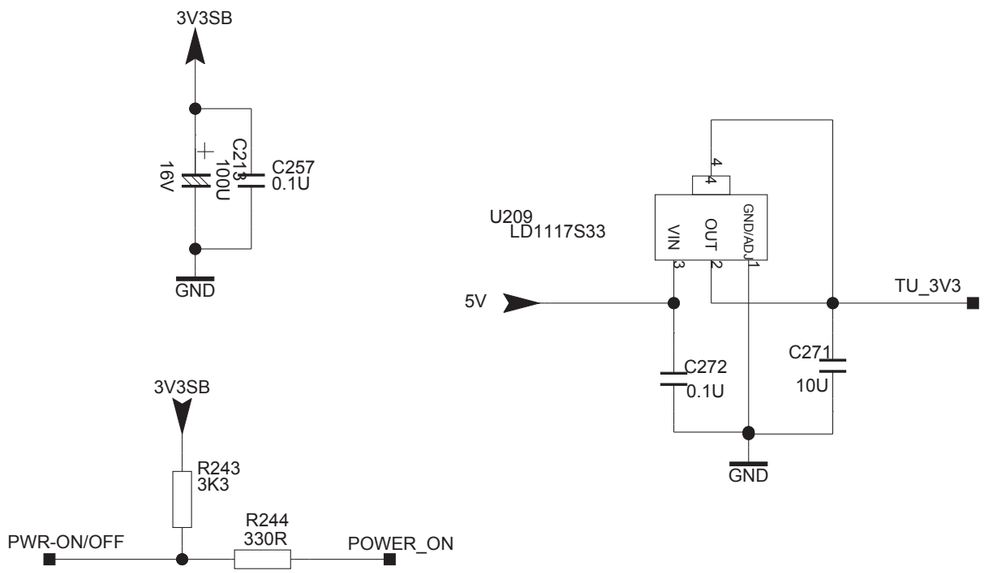
Placa Principal (Todos Modelos)

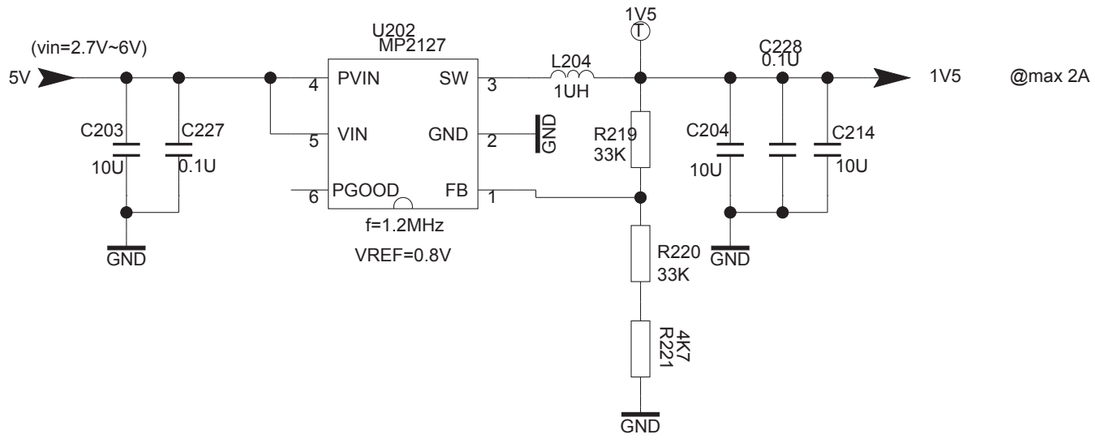


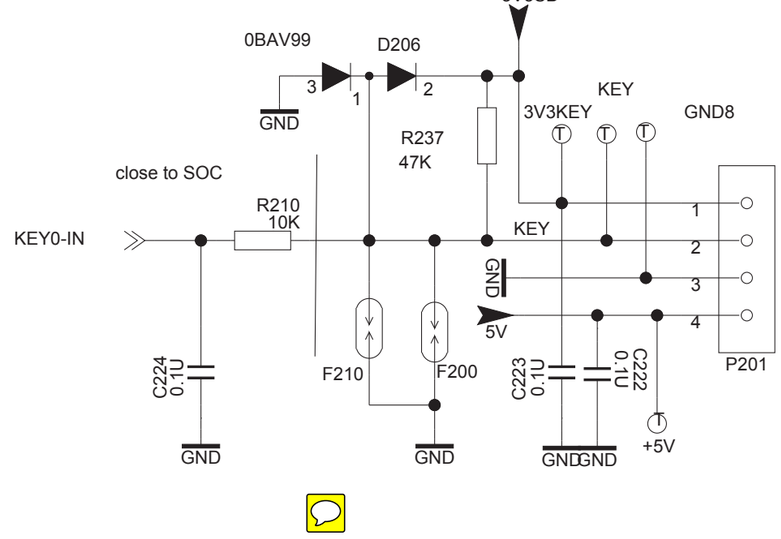




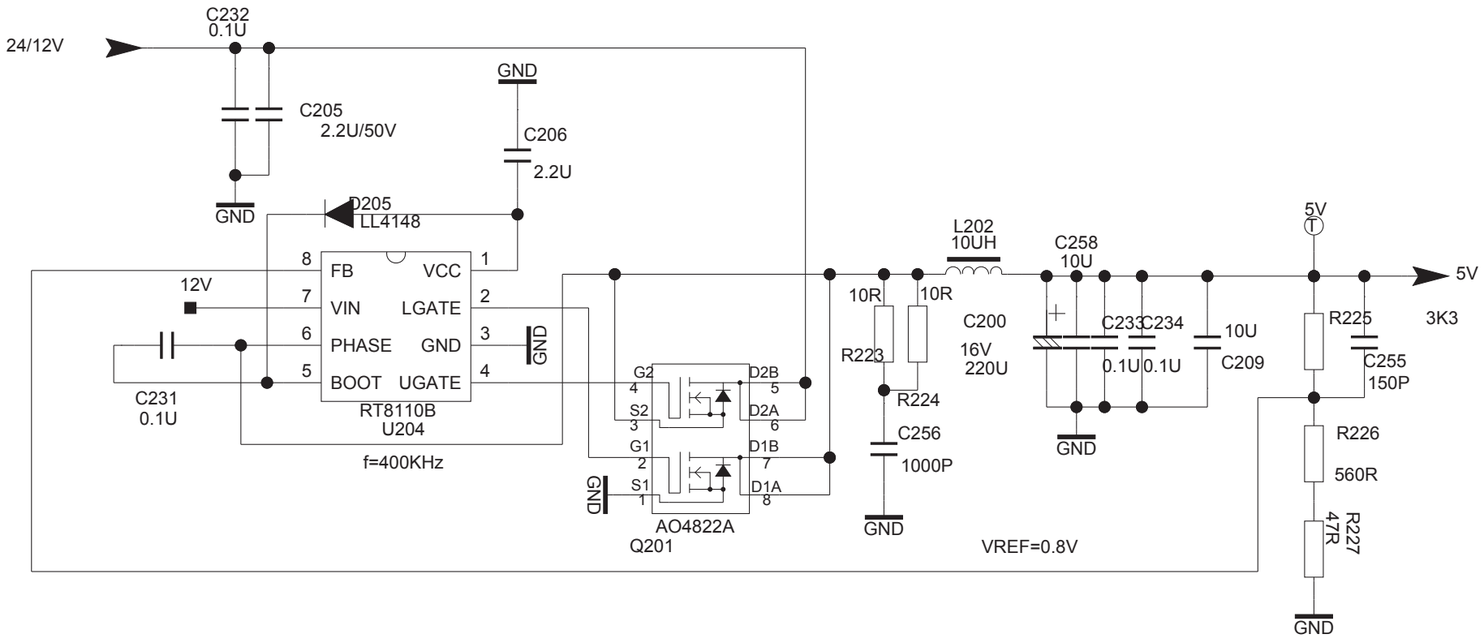
Placa Principal (Todos Modelos)



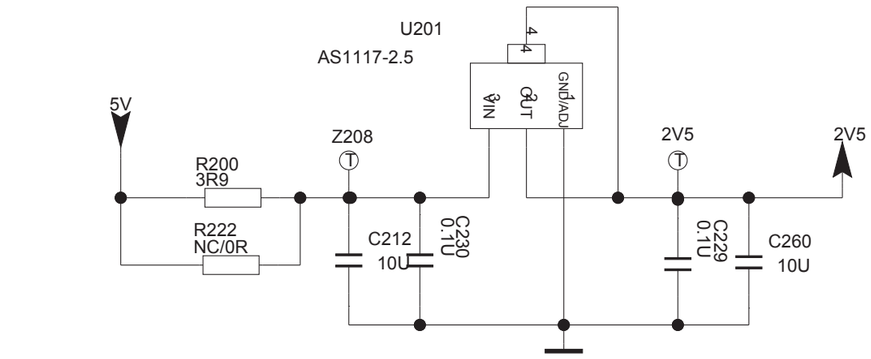


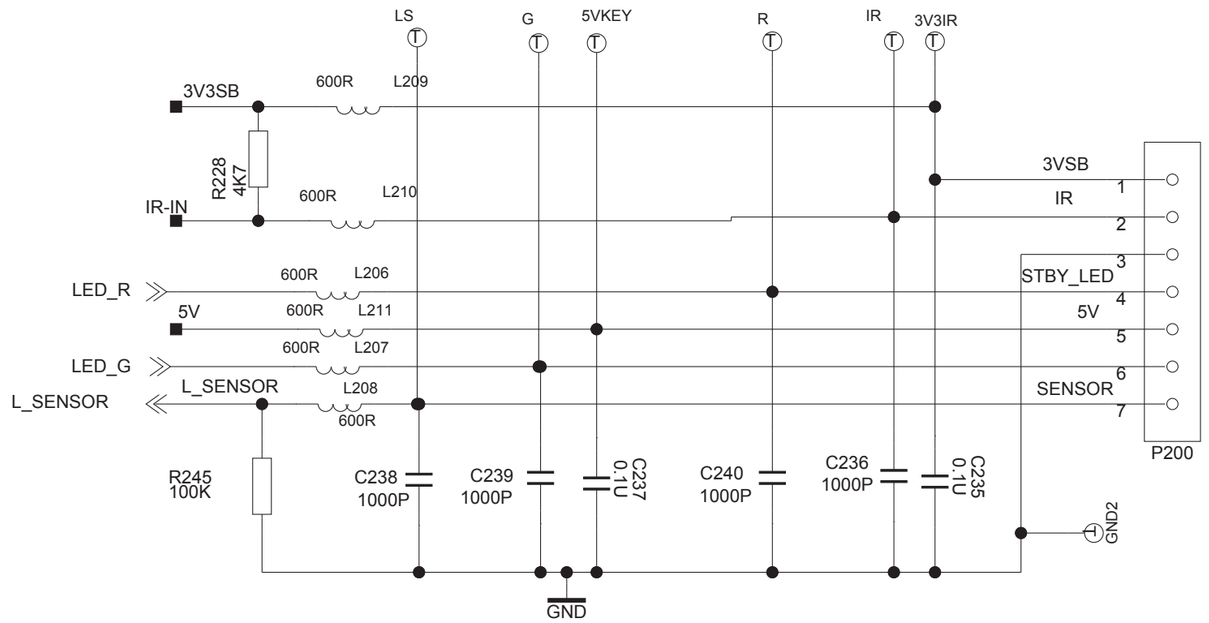


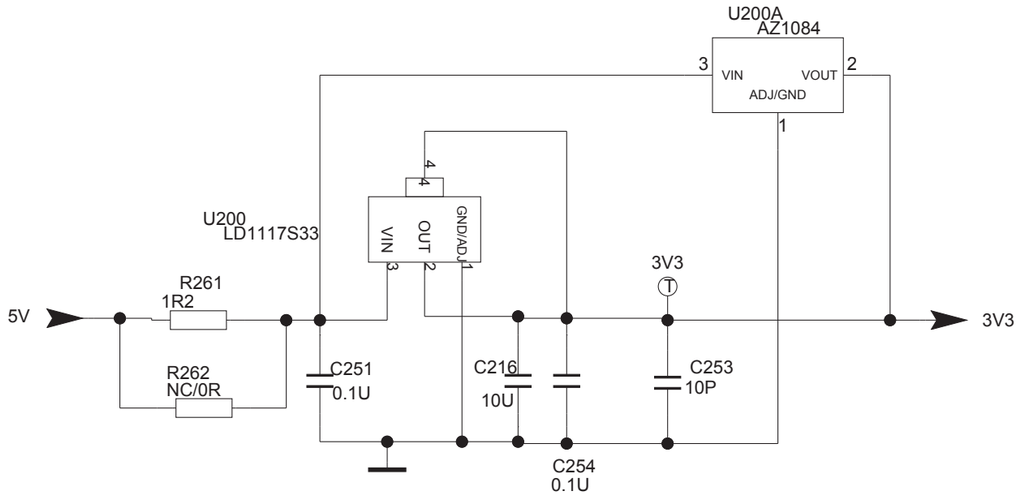
Placa Principal (Todos Modelos)



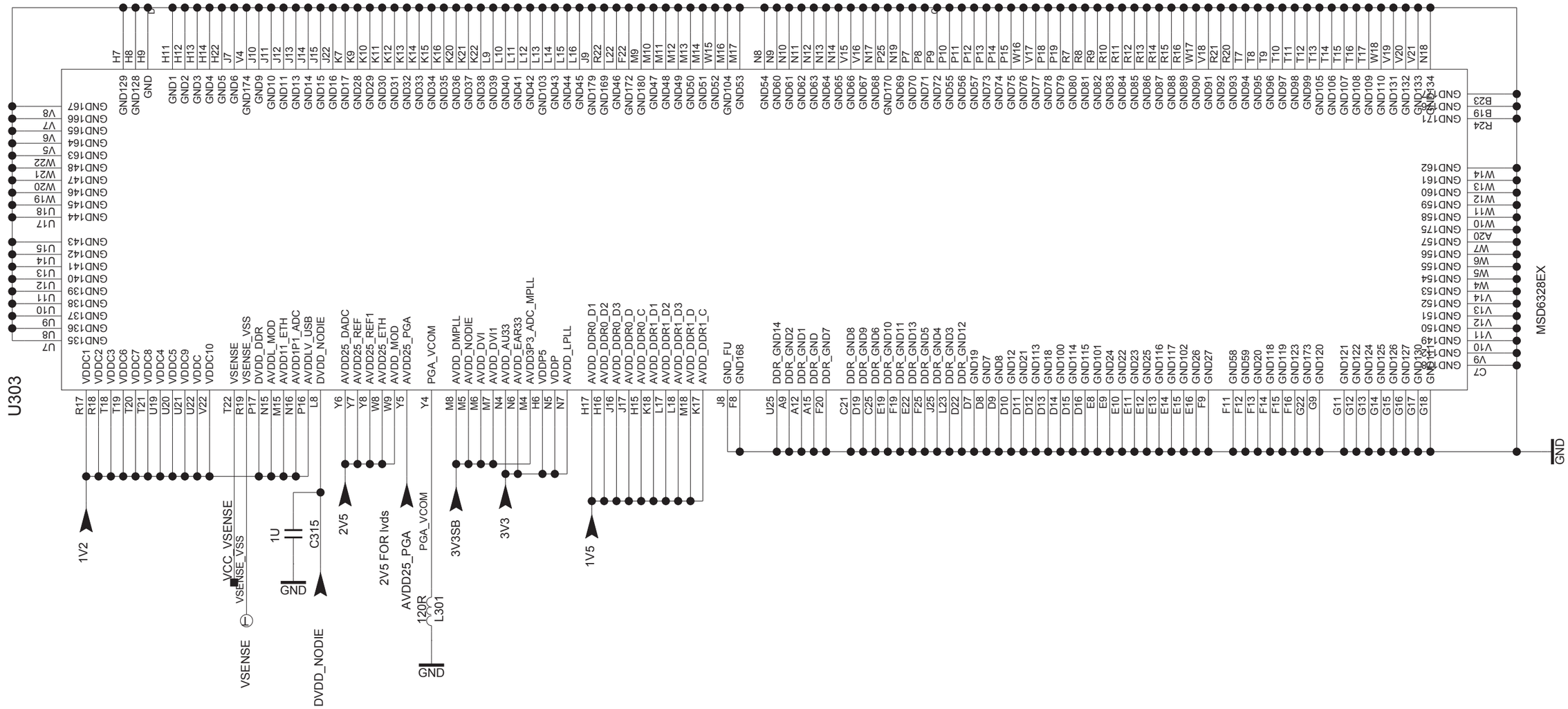
Placa Principal (Todos Modelos)



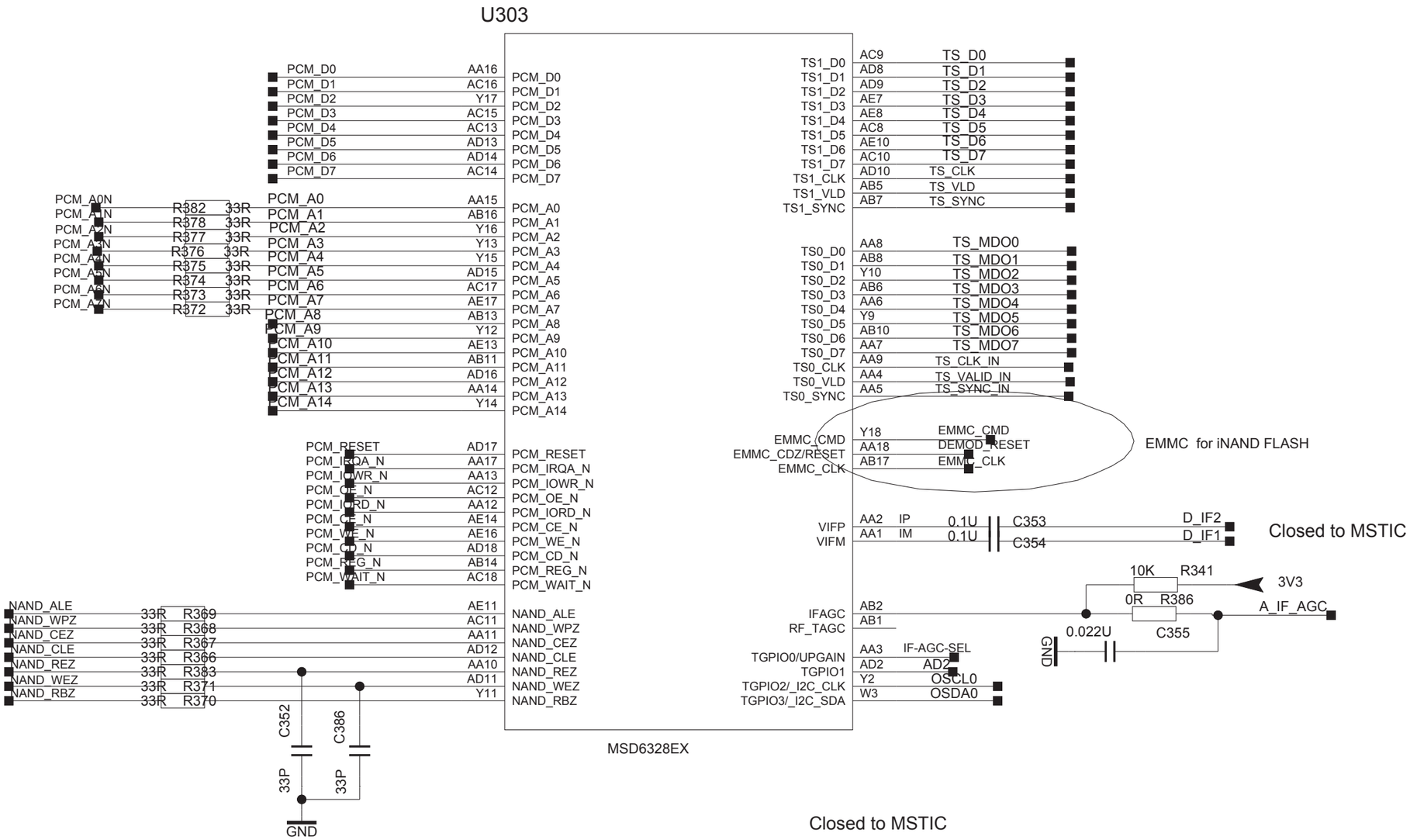




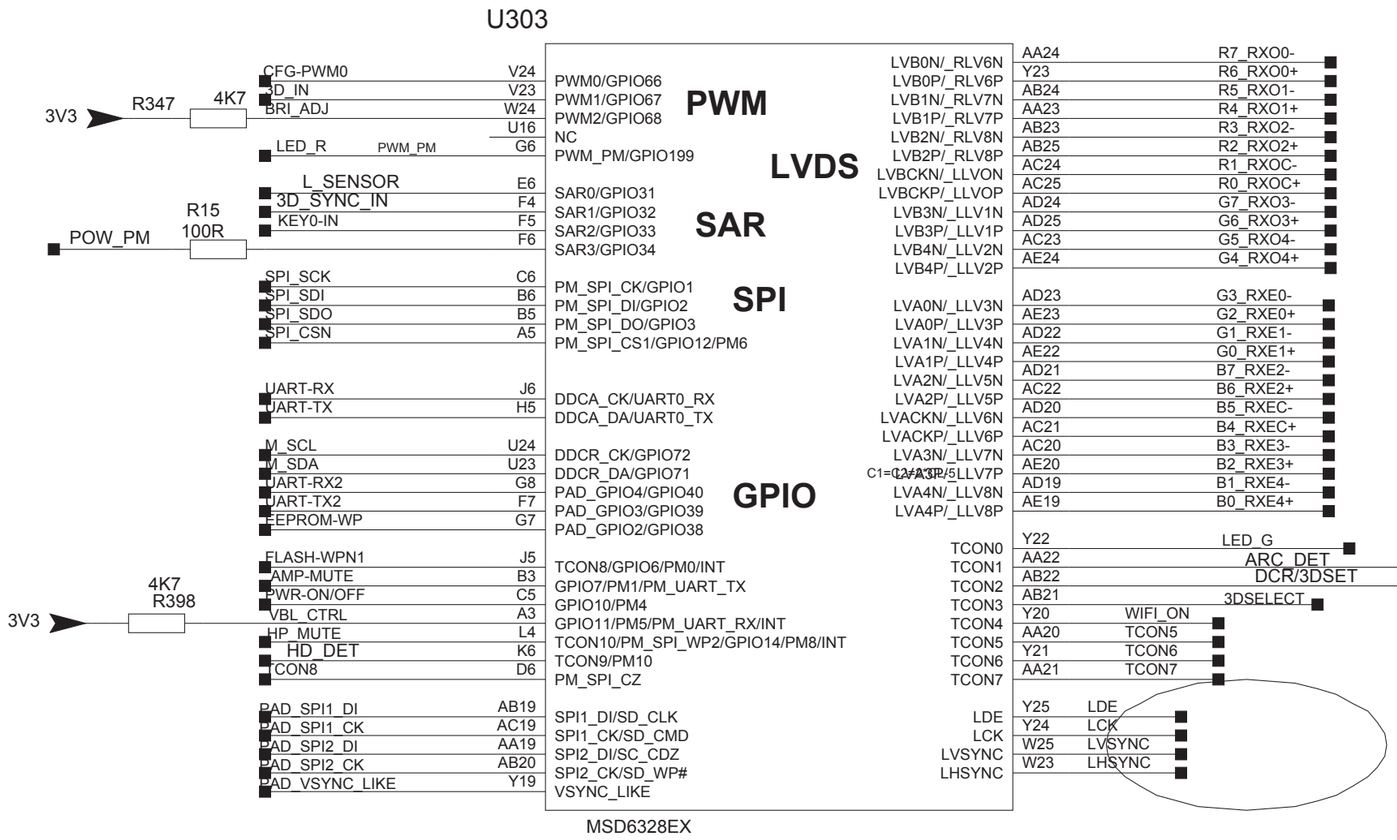
Placa Principal (Todos Modelos)

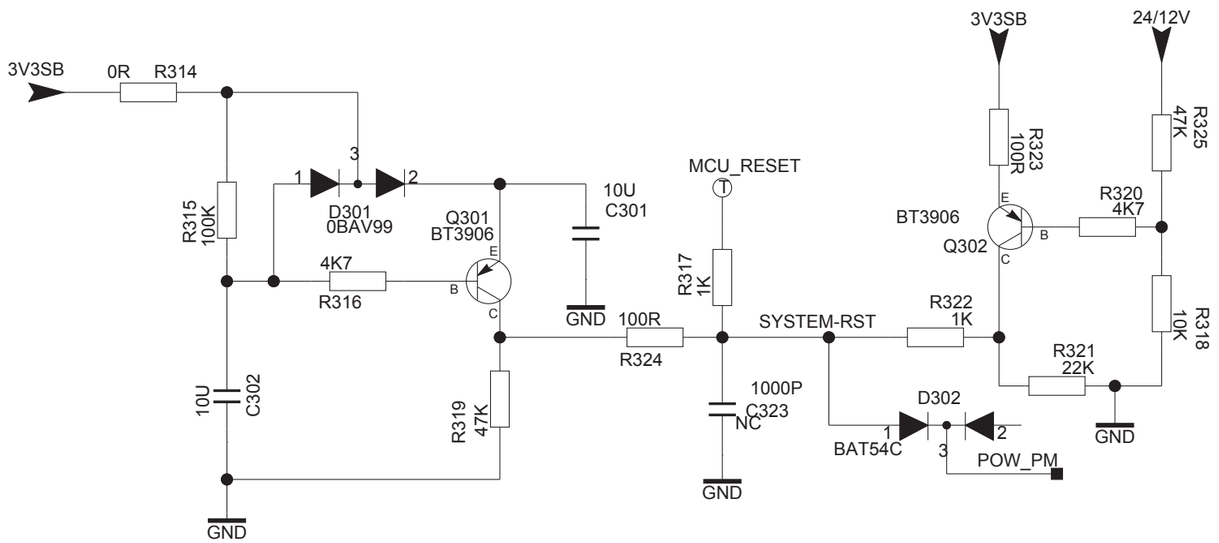


NAND & CI & TS & Front End

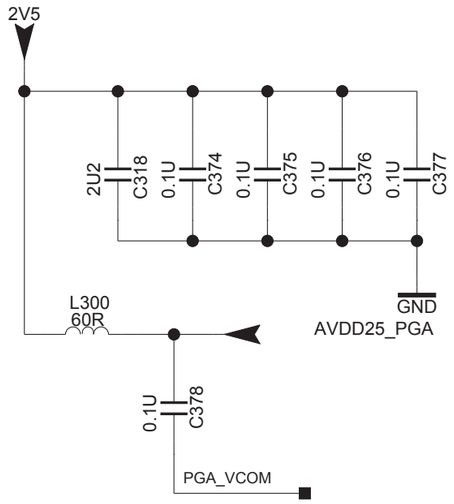


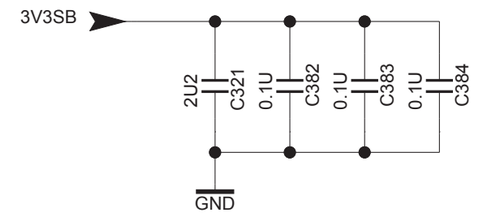
Placa Principal (Todos Modelos)

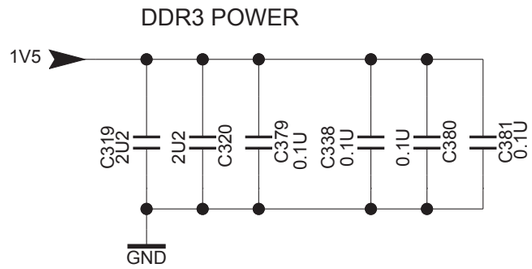




Placa Principal (Todos Modelos)

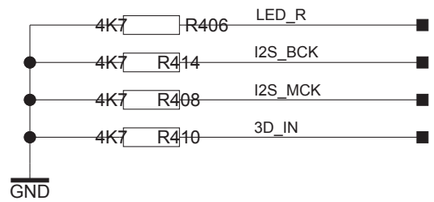


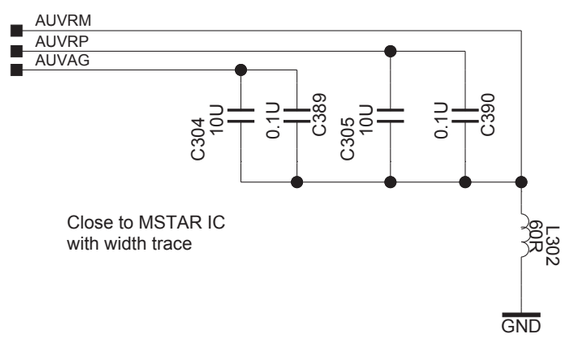


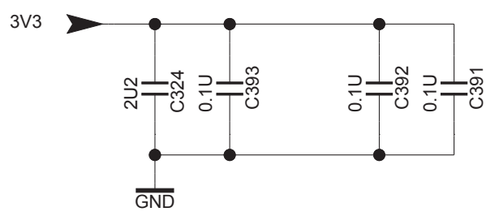


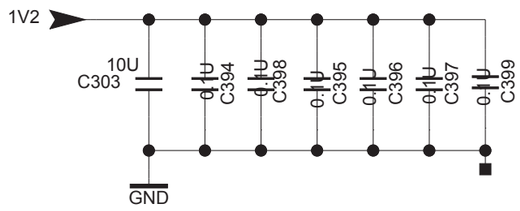
Mode Selection

// CHIP Config {I2S_OUT_BCK, I2S_OUT_MCK, PAD_PWM1, PAD_PWM0}
B51_NO_EJ 4'b0000 Boot from 8051 with SPI flash
SB51_WOS 4'b0001 Secure B51 without scramble
SB51_WS 4'b0010 Secure B51 with scramble
MIPS_SPI_NO_EJ 4'b0100 Boot from MIPS with SPI flash
MIPS_SPI_EJ_1 4'b0101 Boot from MIPS with SPI flash
MIPS_SPI_EJ_2 4'b0110 Boot from MIPS with SPI flash
MIPS_WOS 4'b1001 Secure MIPS without scramble
MIPS_WS 4'b1010 Secure MIPS with scramble



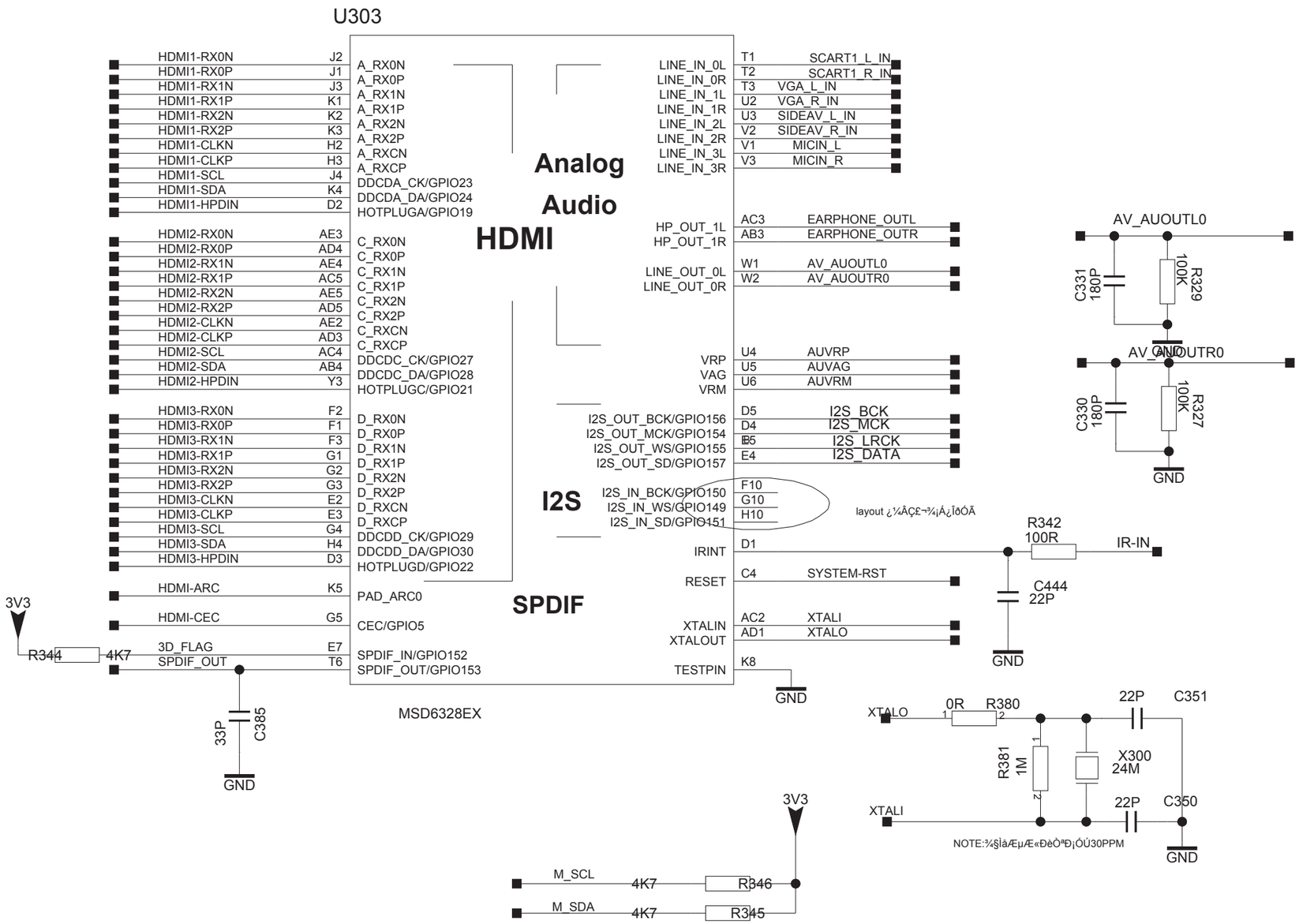




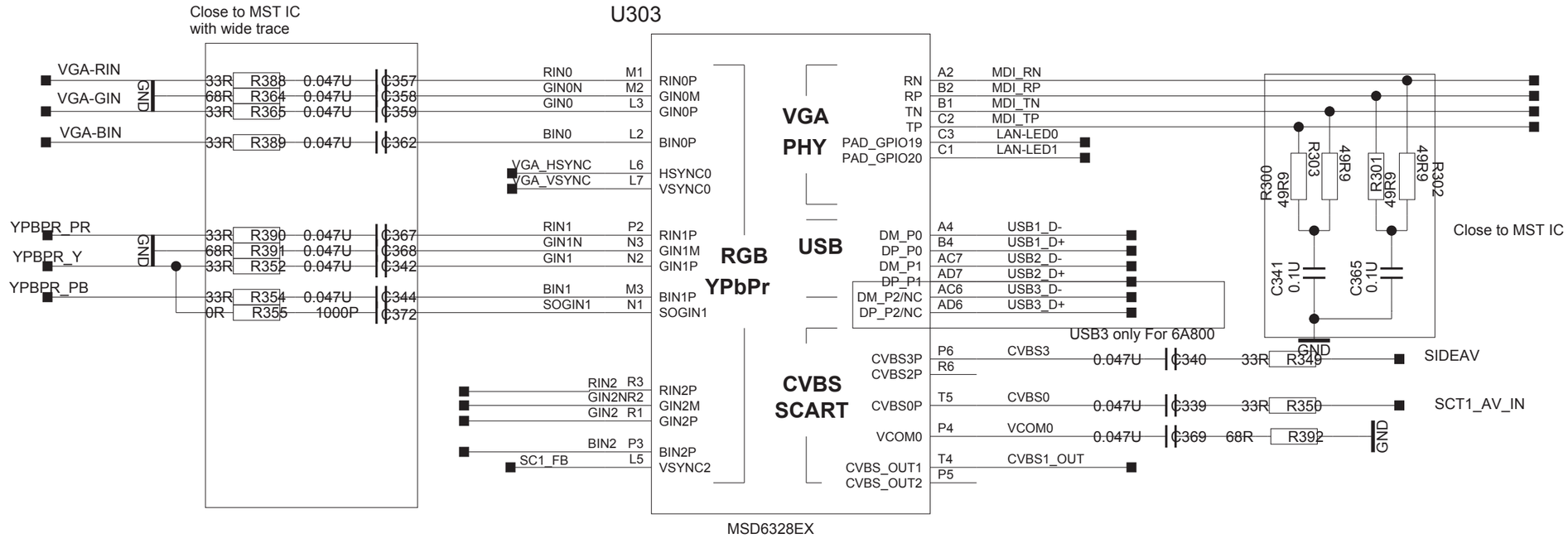


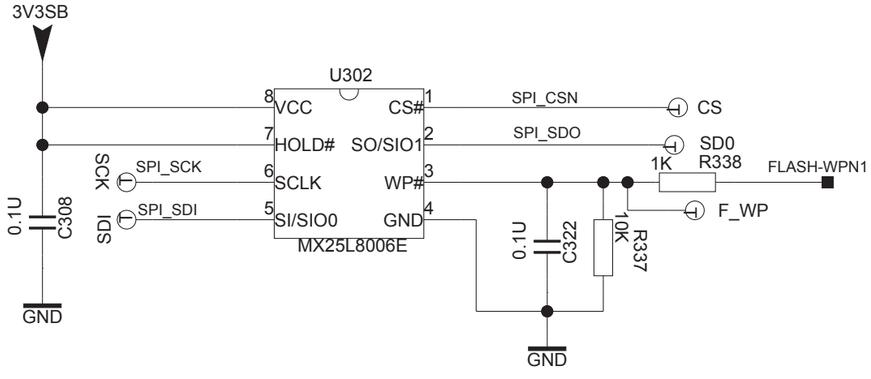
Placa Principal (Todos Modelos)

HDMI & Audio

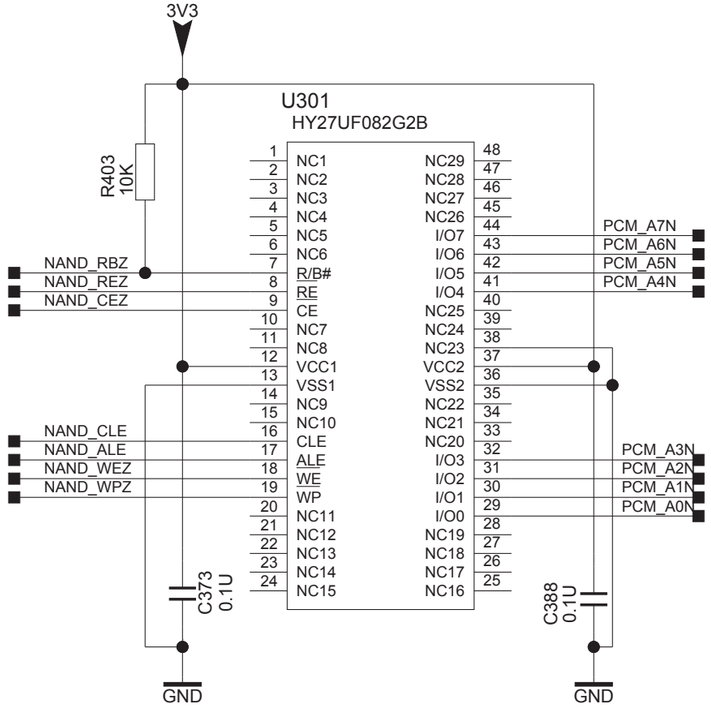


Placa Principal (Todos Modelos)

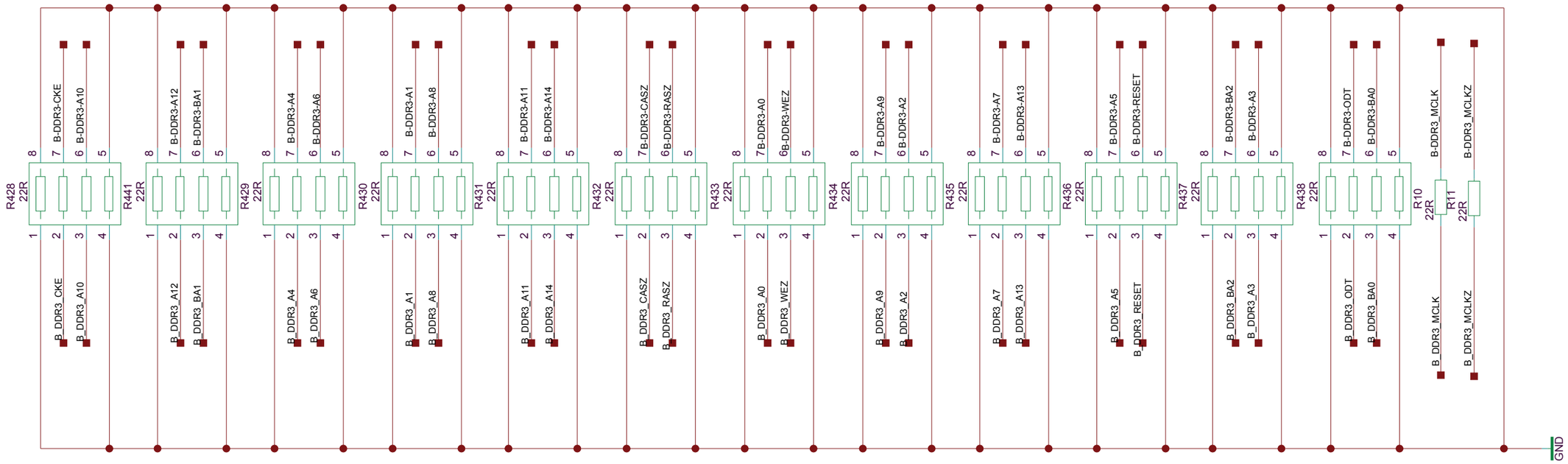


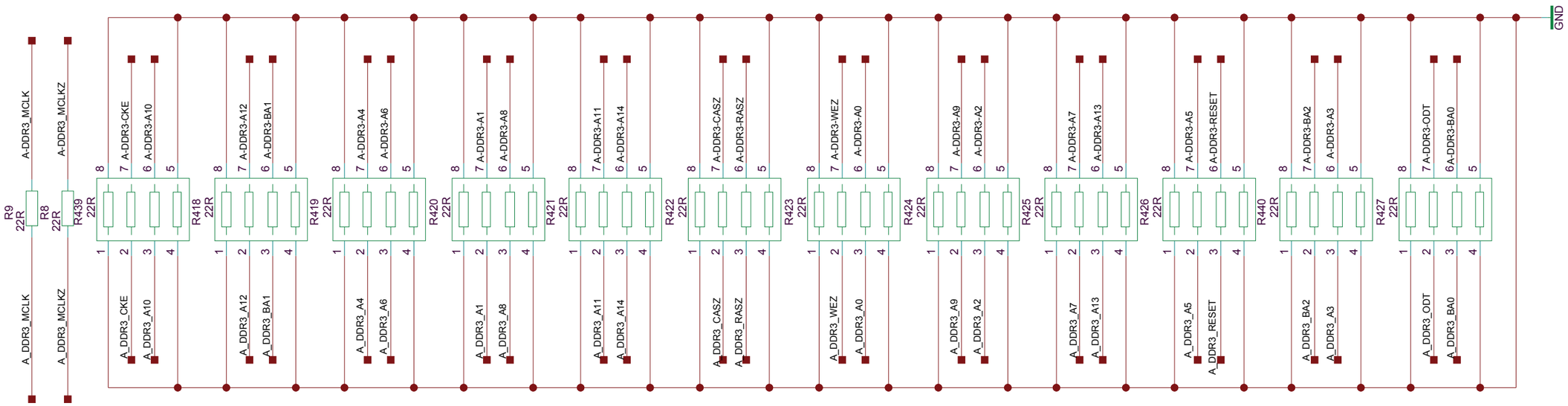


PCM_CD1_N	PCM_CD2_N	PCM_CD_N
GND	GND	L 0V
GND	NC	H 4.3V
NC	GND	H 4.3V
NC	NC	H 4.3

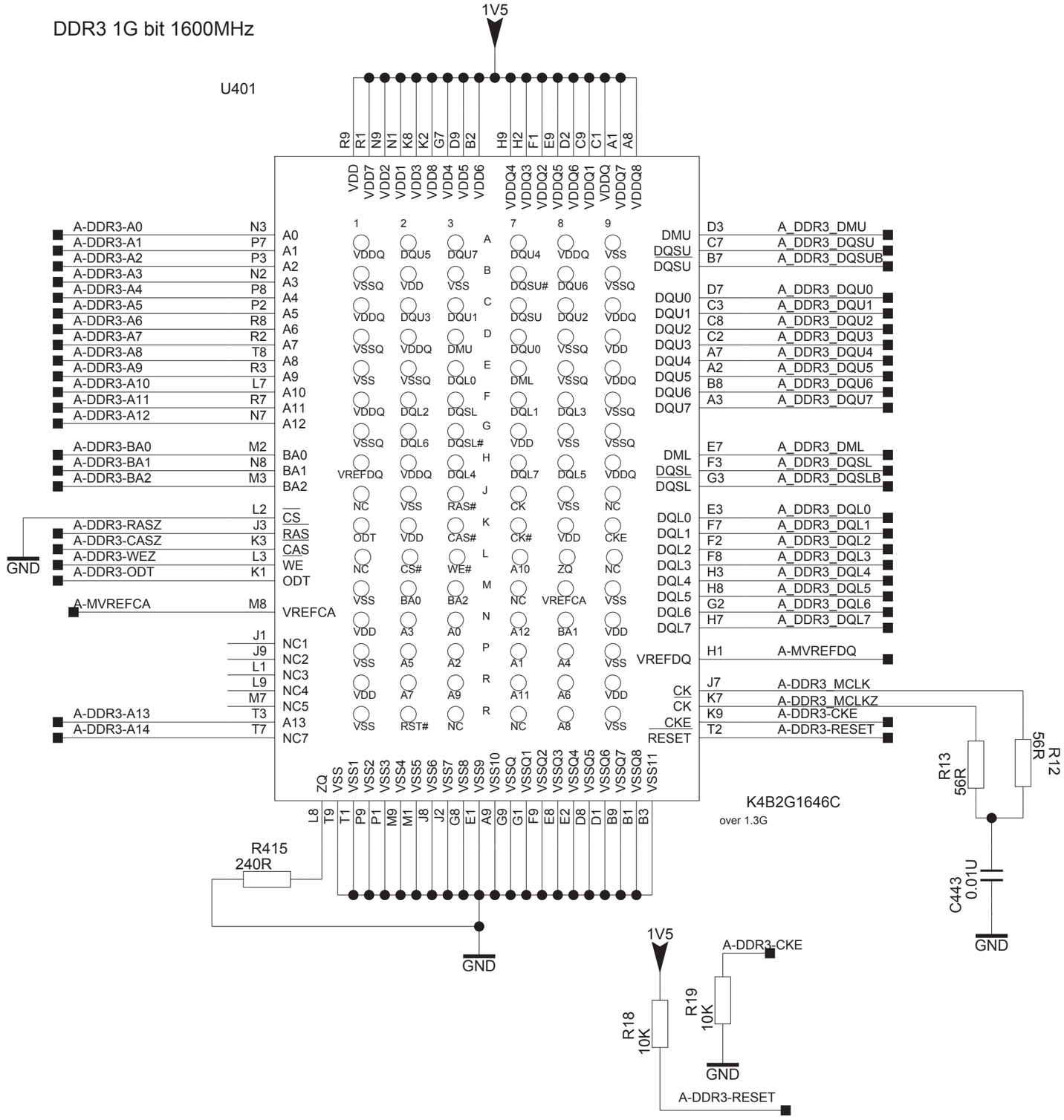


Placa Principal (Todos Modelos)

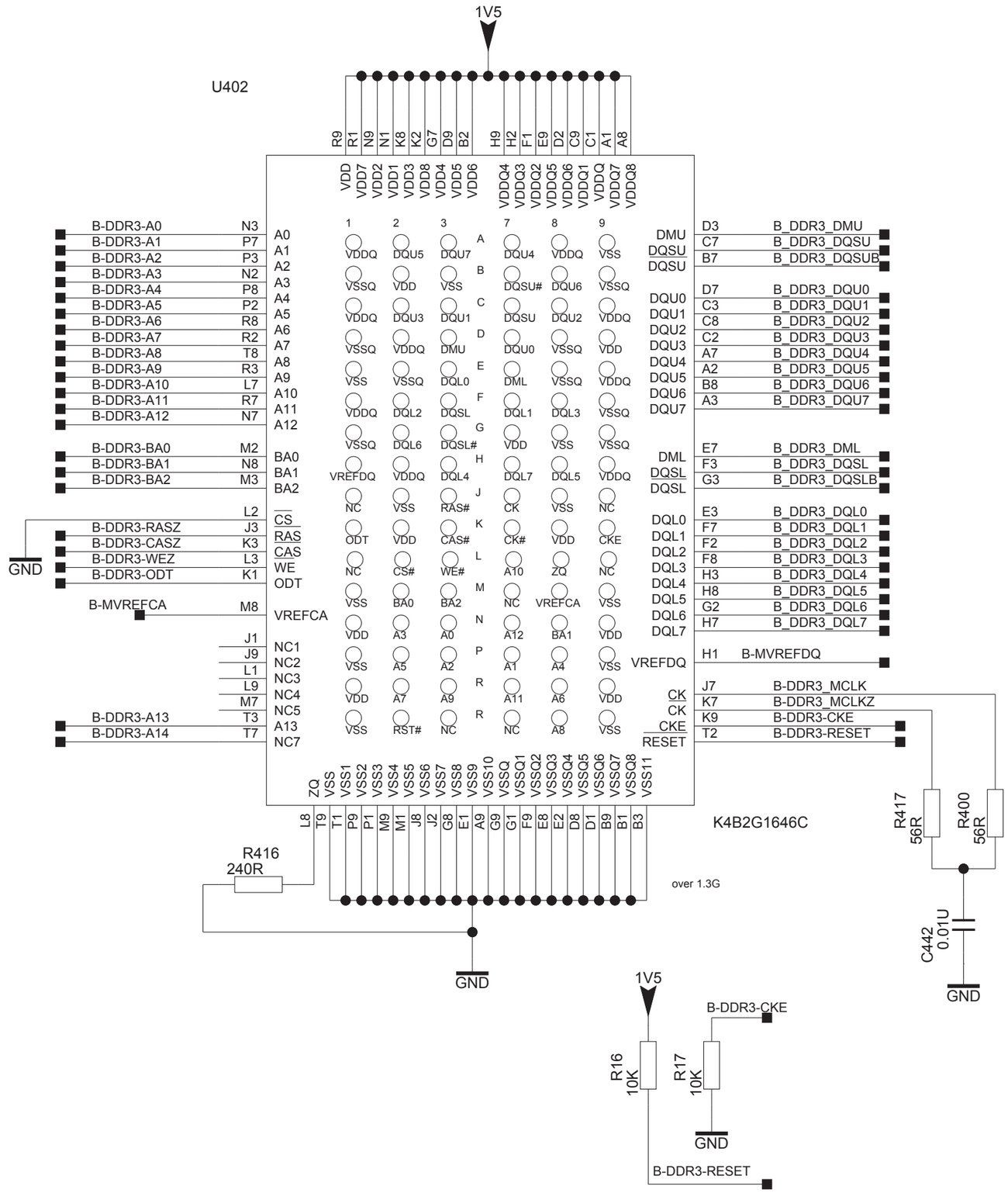




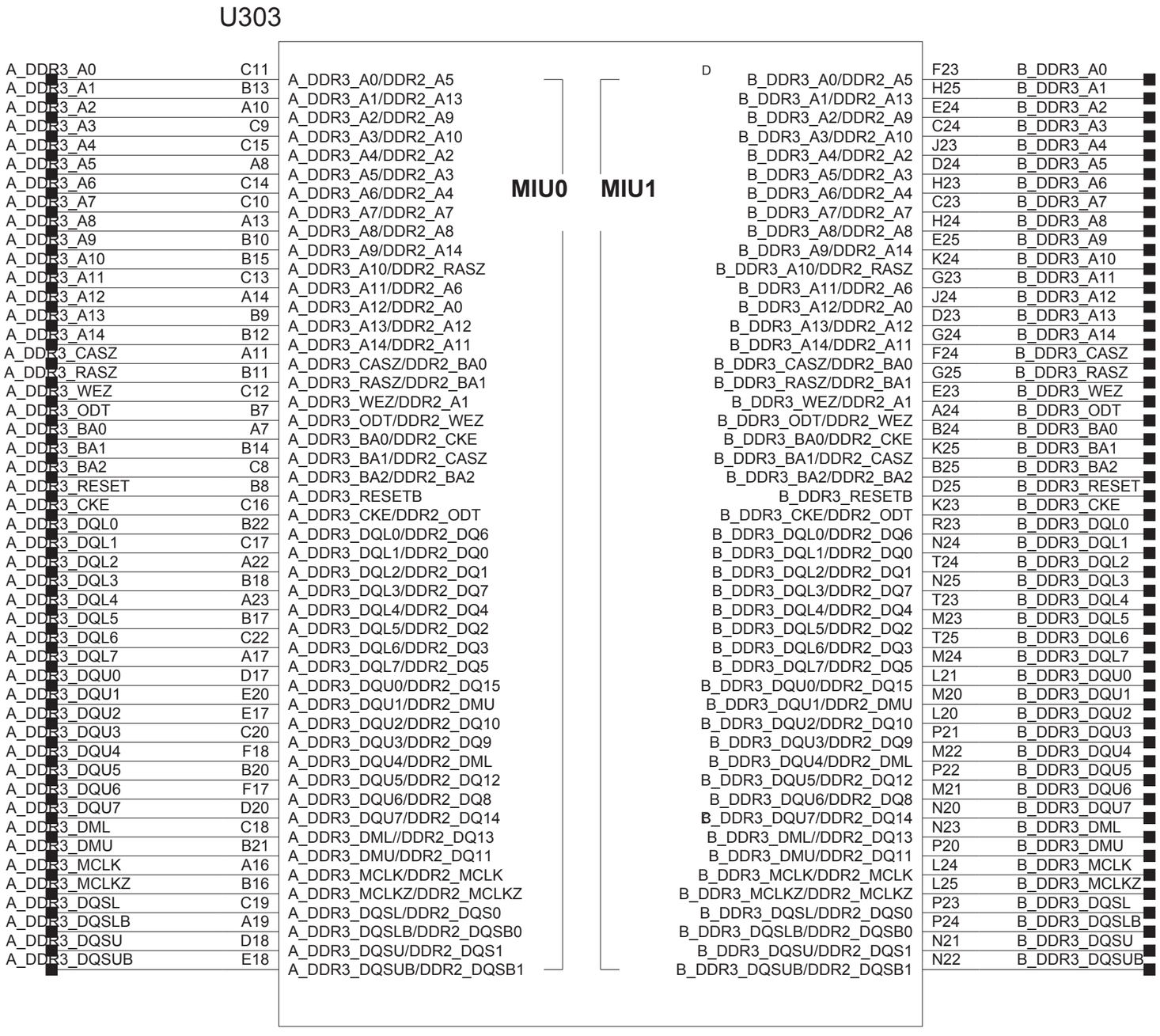
Placa Principal (Todos Modelos)



Placa Principal (Todos Modelos)

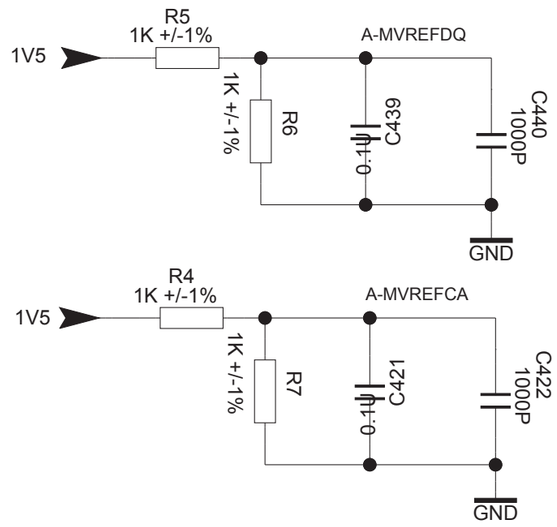


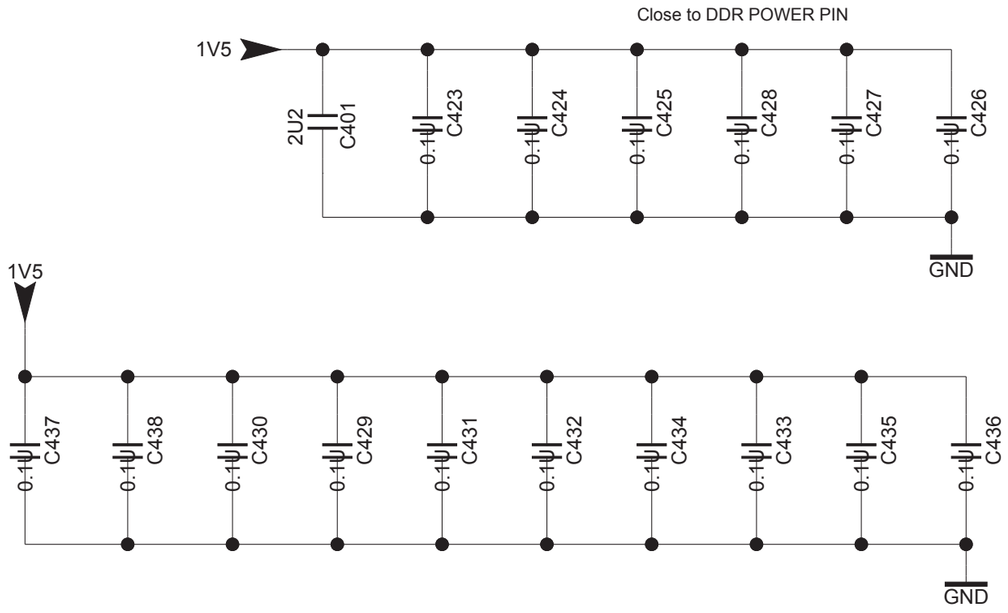
Placa Principal (Todos Modelos)

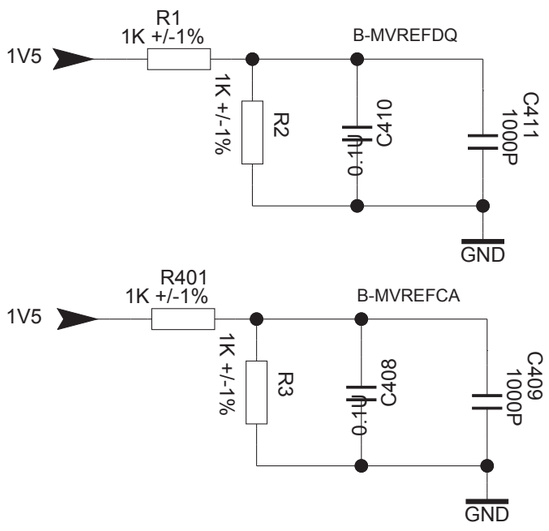


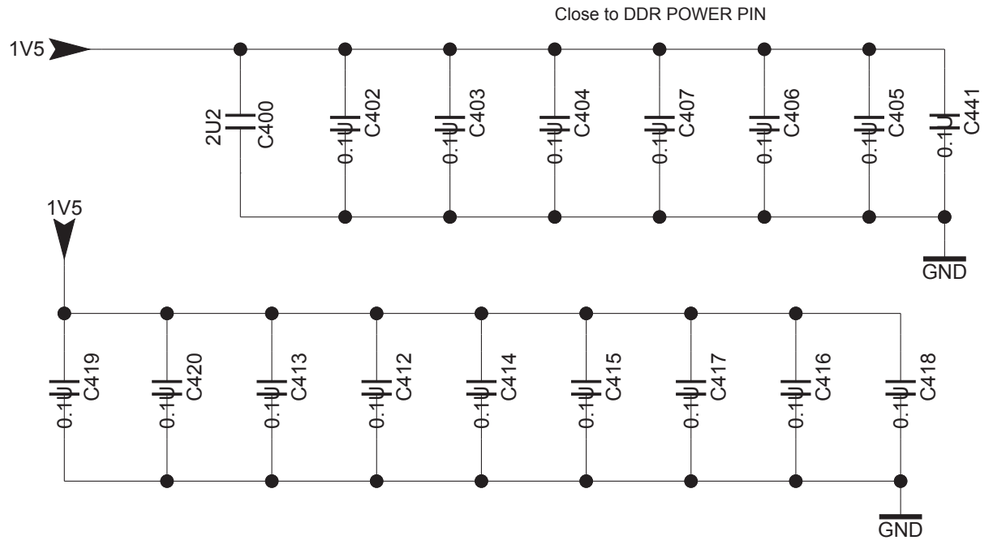
MSD6328EX

Placa Principal (Todos Modelos)



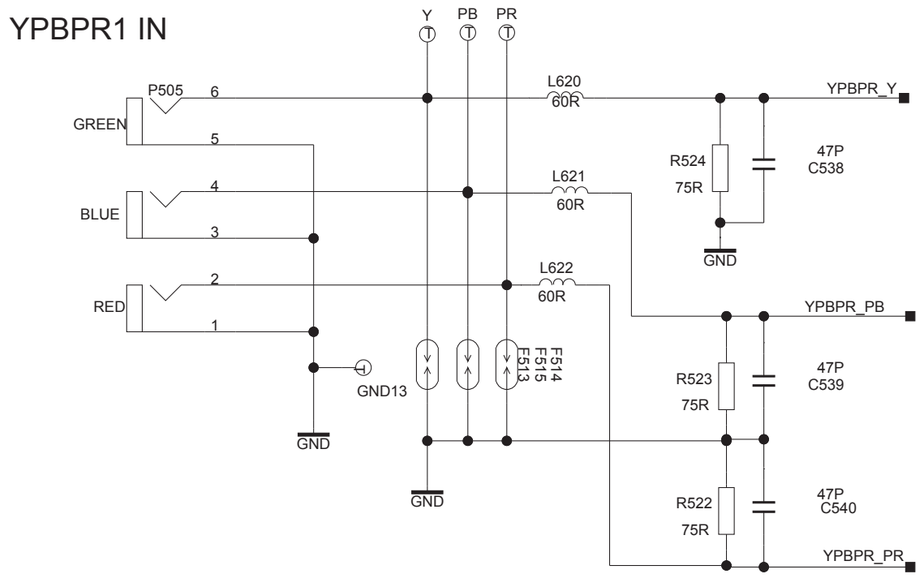


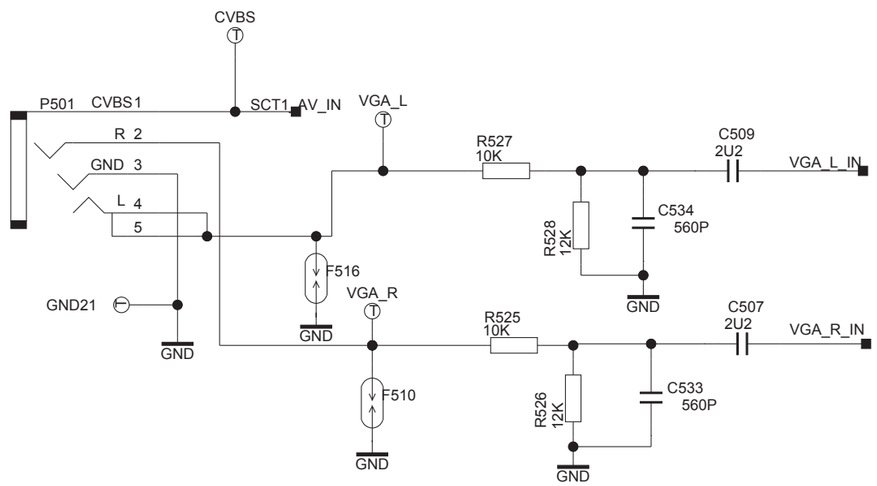




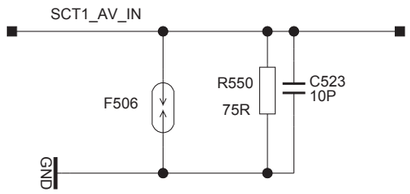
Placa Principal (Todos Modelos)

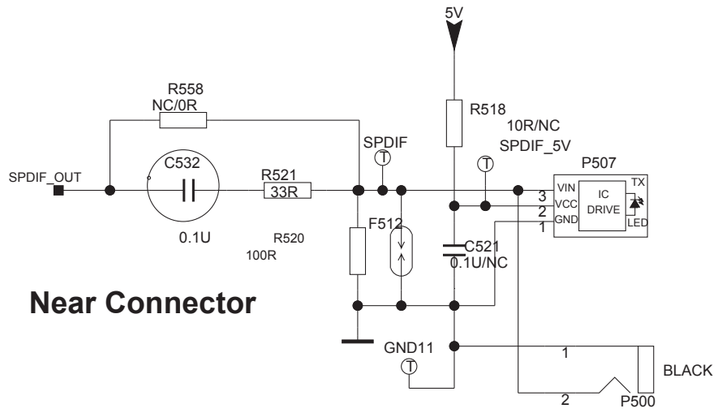
YPBPR1 IN





nearly VGA

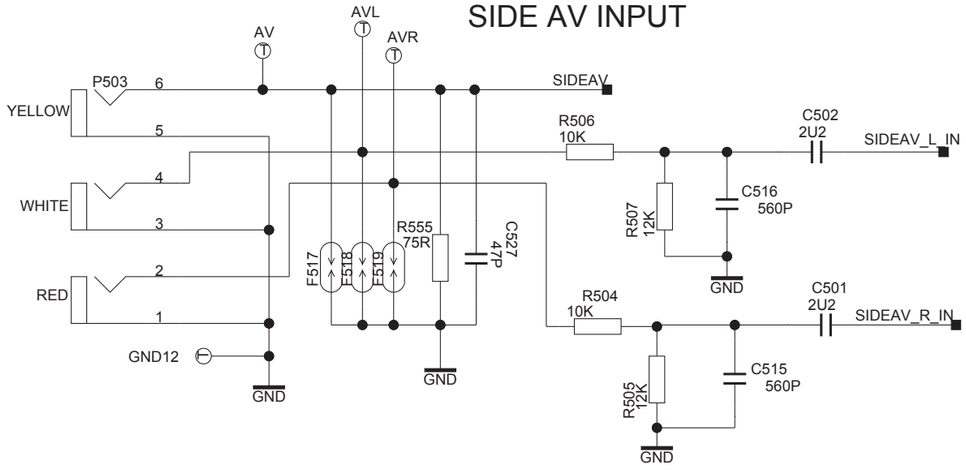


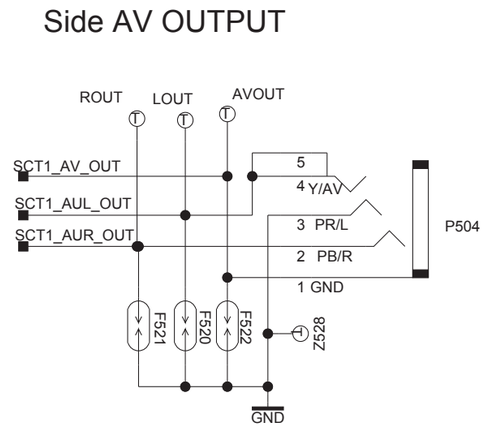


Near Connector

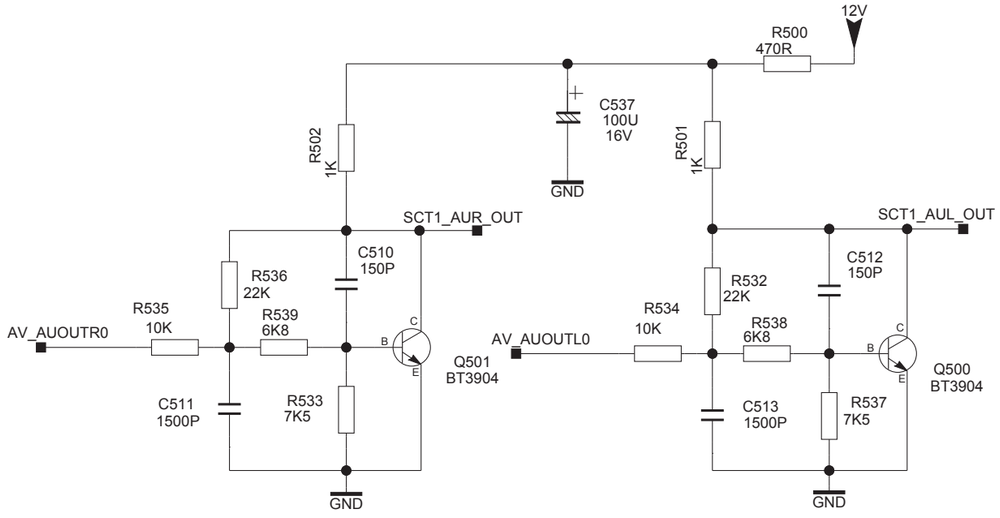
SPDIF OUT(OPTICAL) use 0R

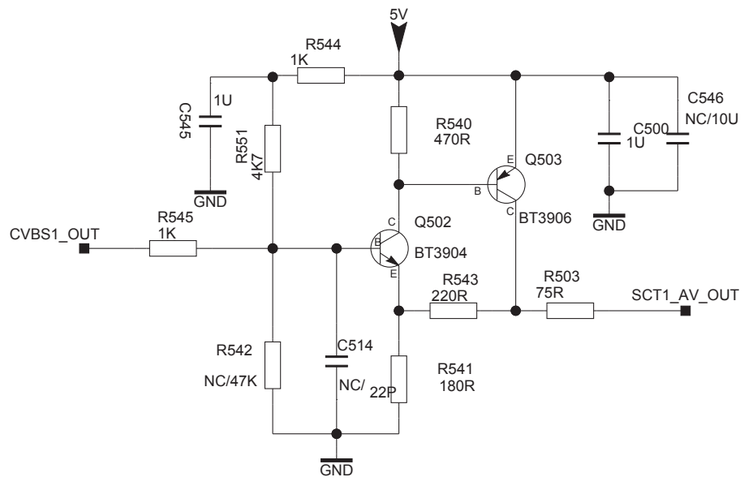
Placa Principal (Todos Modelos)





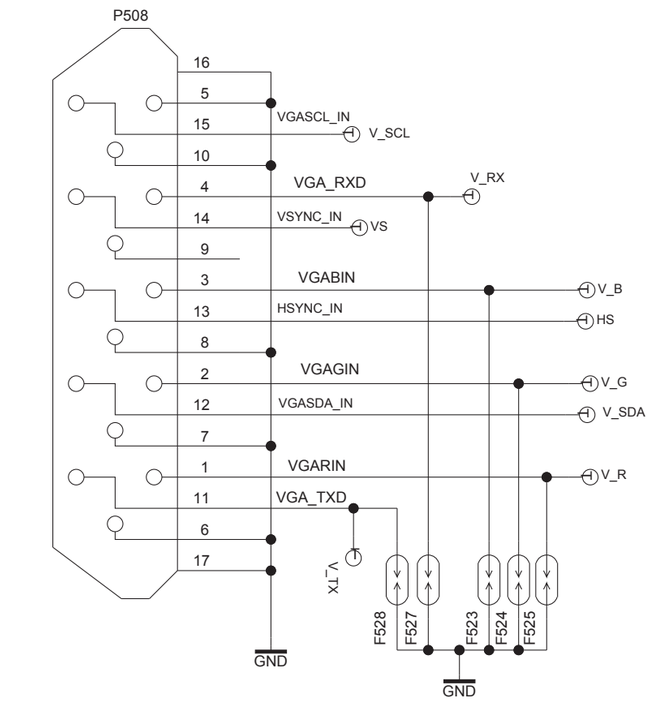
EU NOT USE,ONLY USE ISDB AND AUSTRALIA.

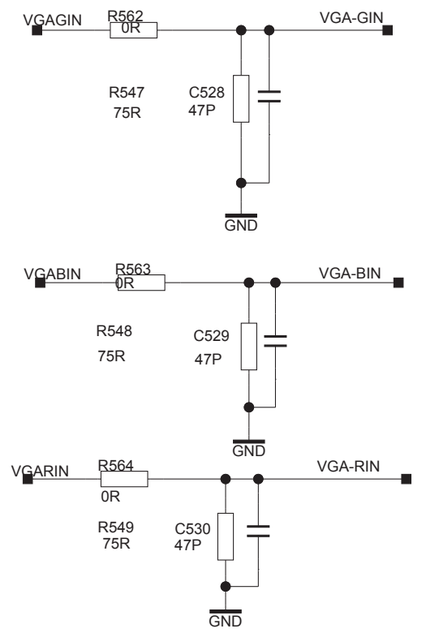


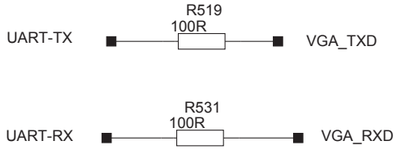


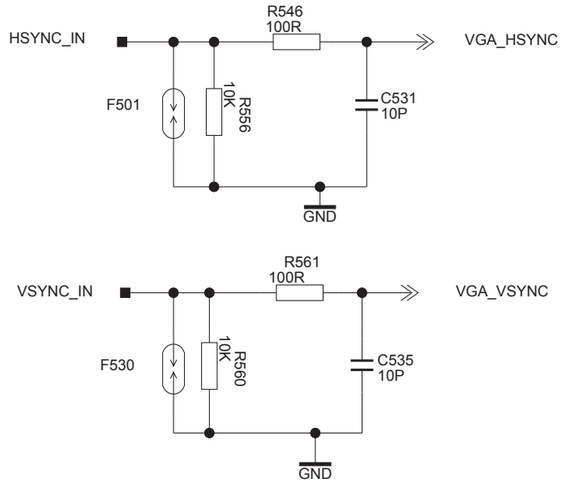
Placa Principal (Todos Modelos)

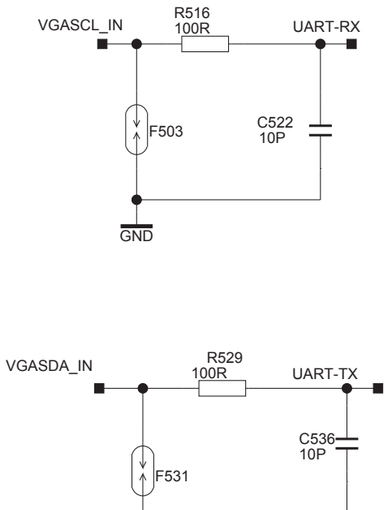
VGA IN



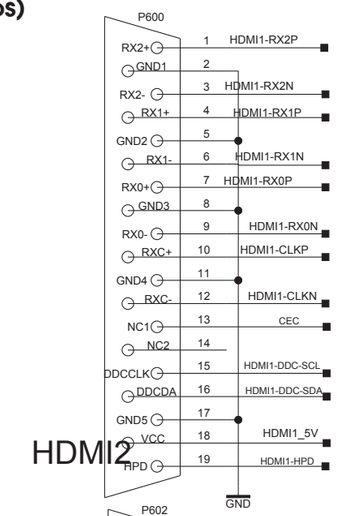


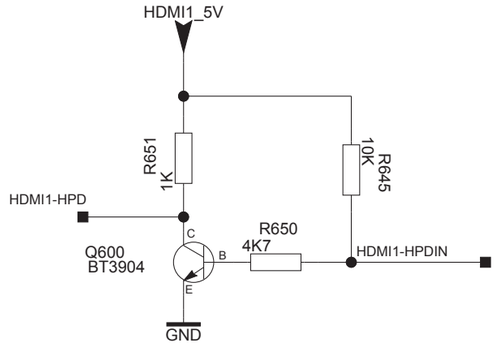


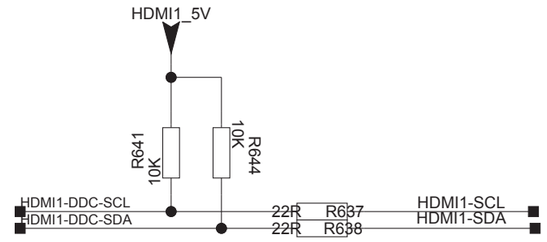


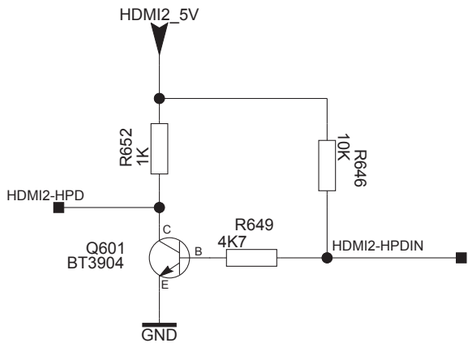


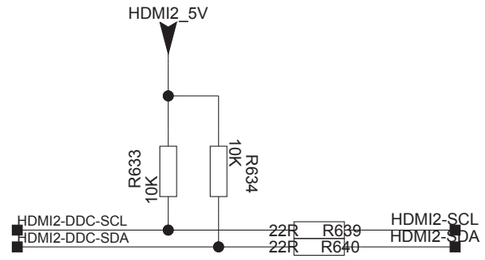
Placa Principal (Todos Modelos)

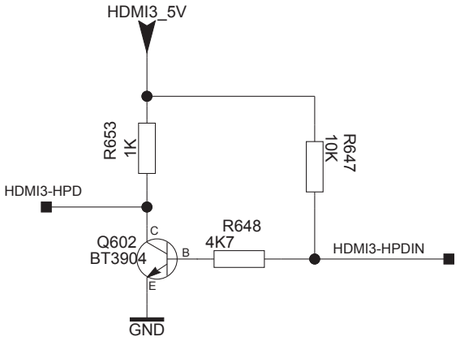


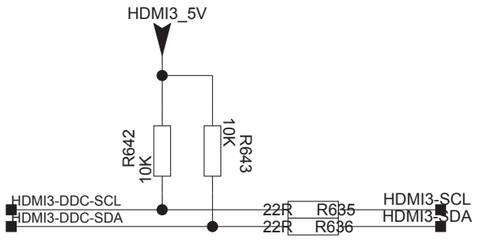




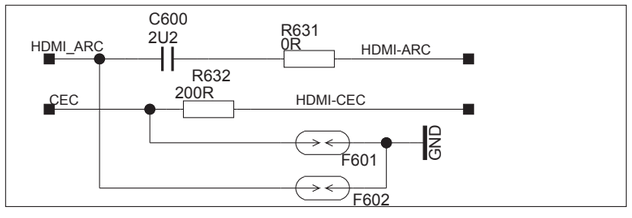




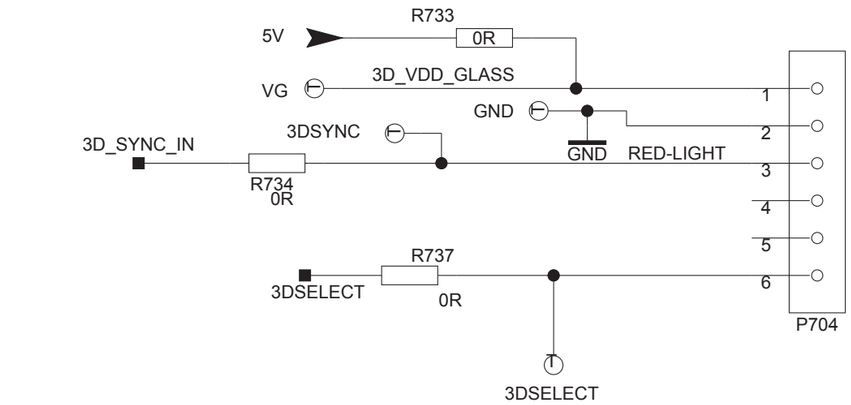


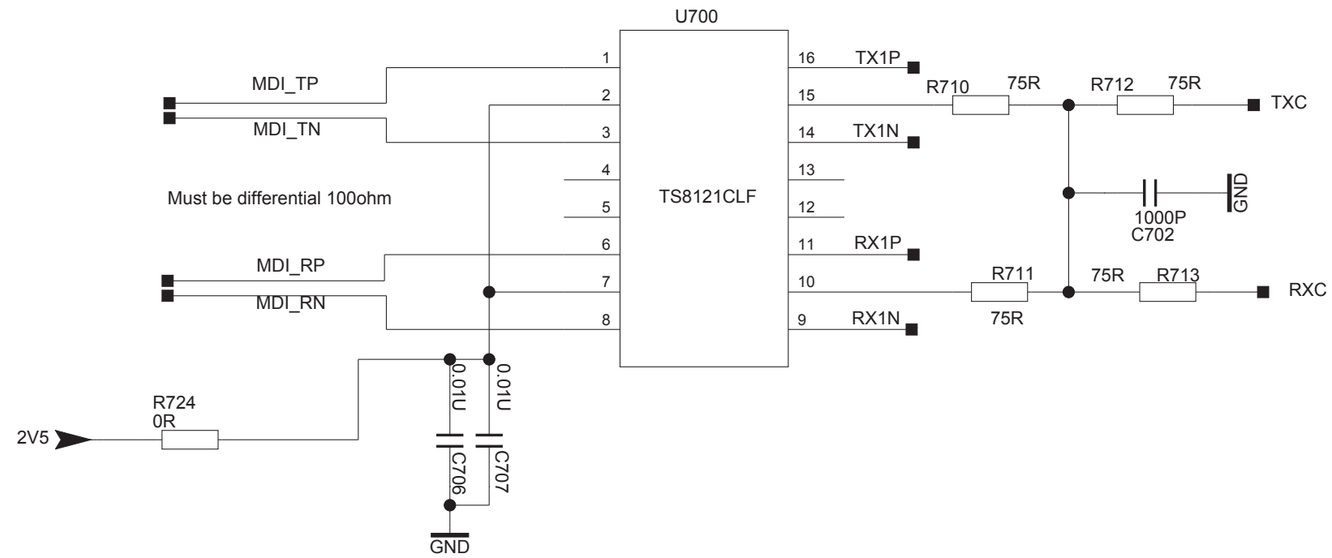


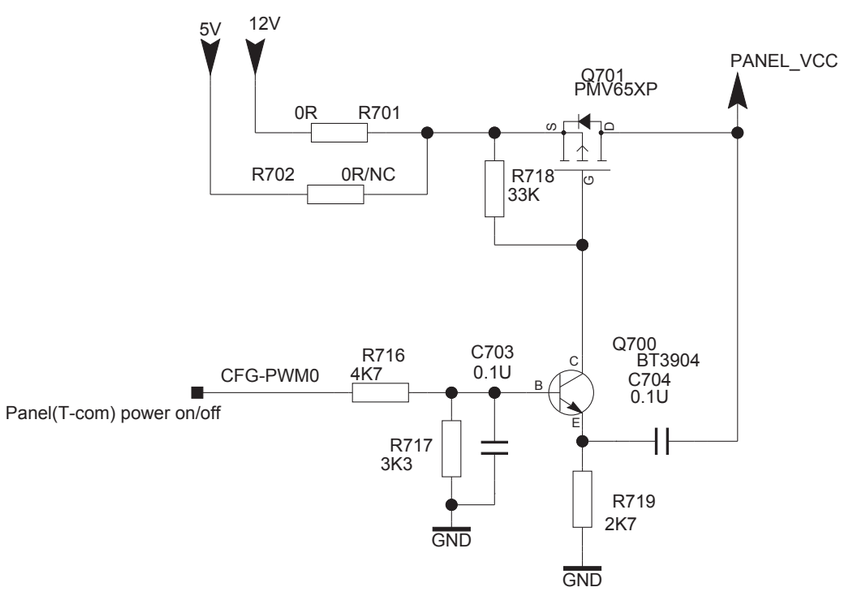
CEC & ARC

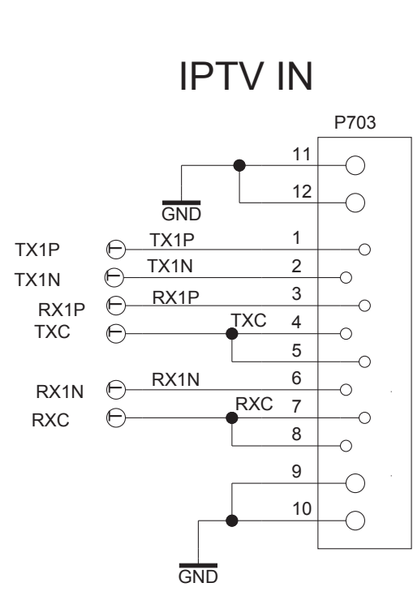


Placa Principal (Todos Modelos)

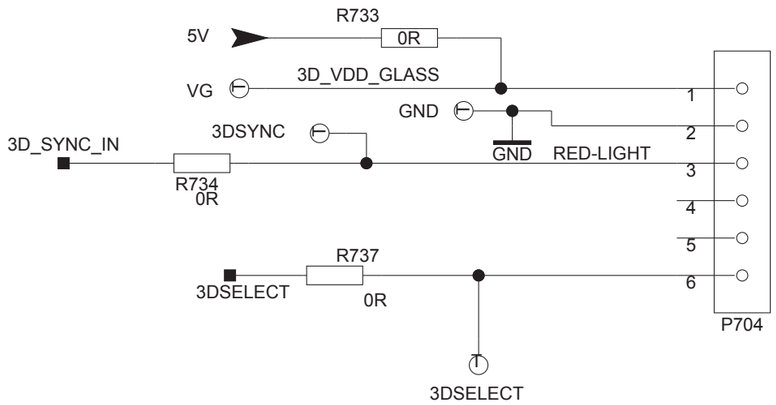


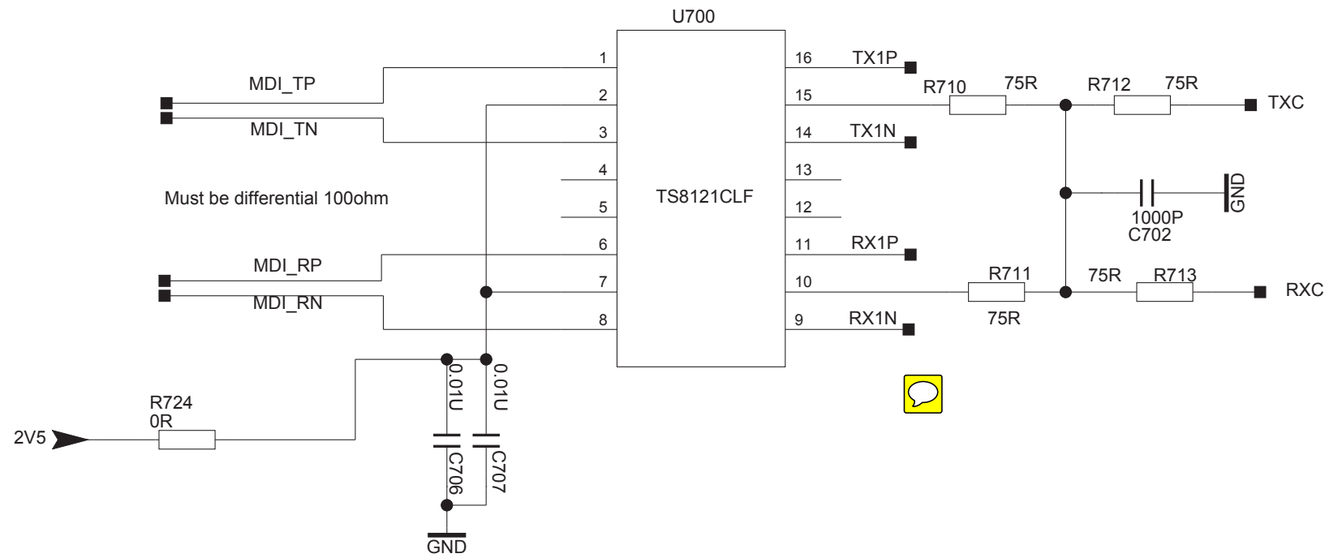


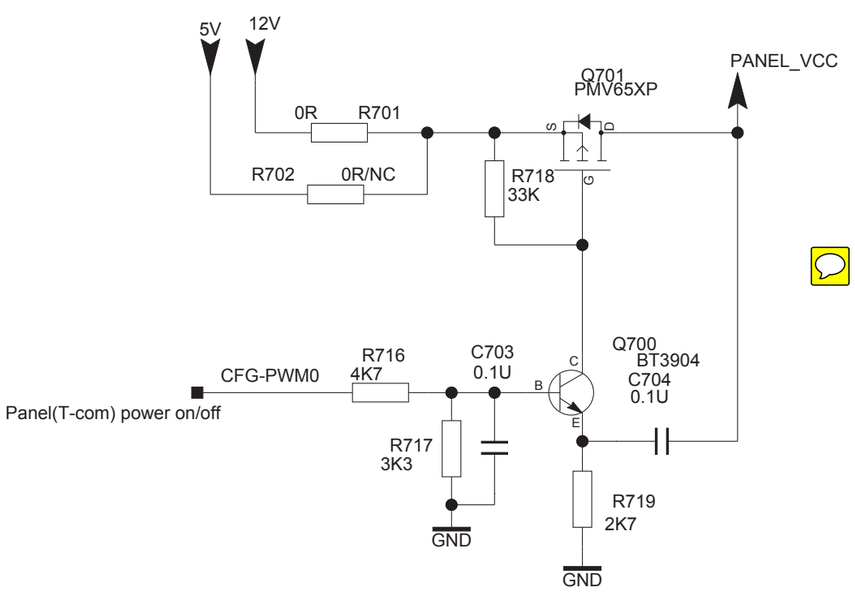


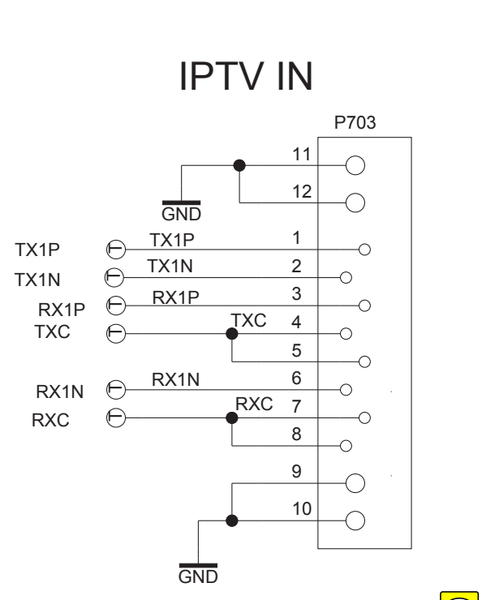


Placa Principal (Todos Modelos)

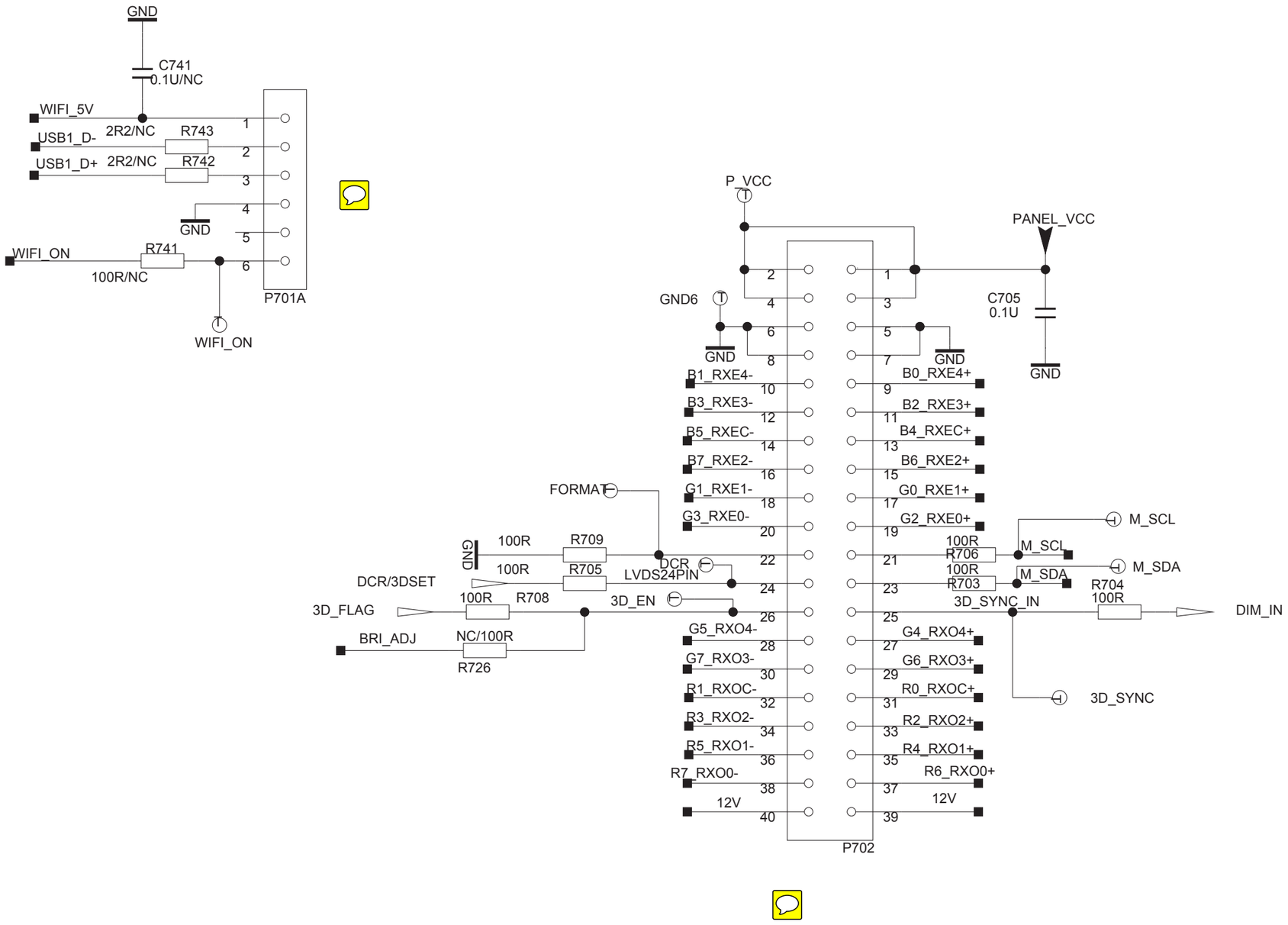




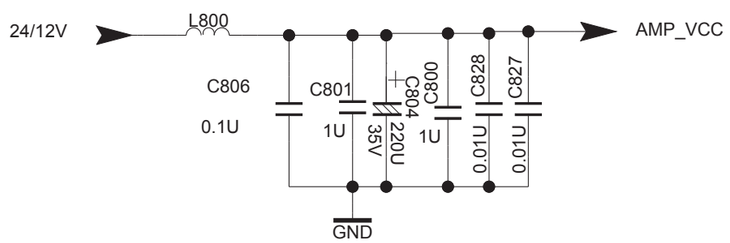


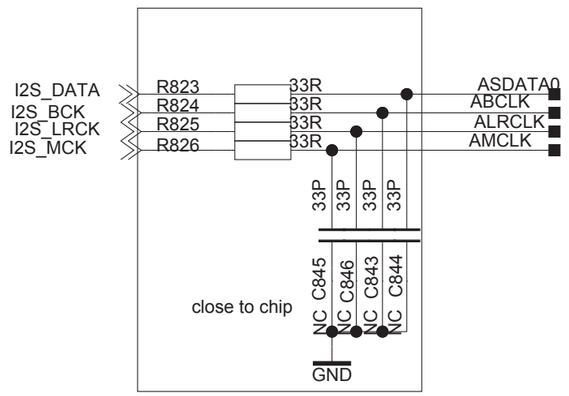


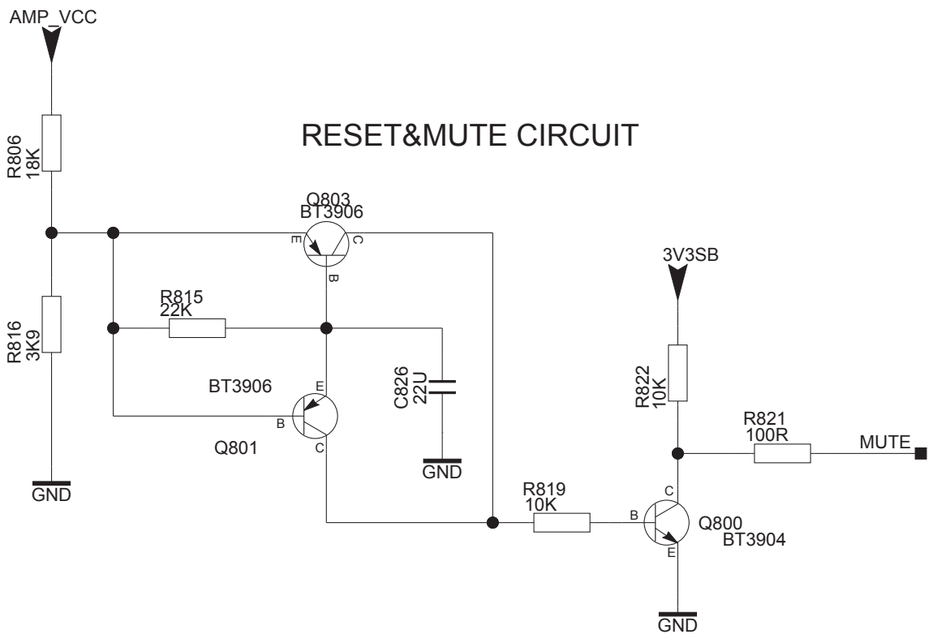
Placa Principal (Todos Modelos)

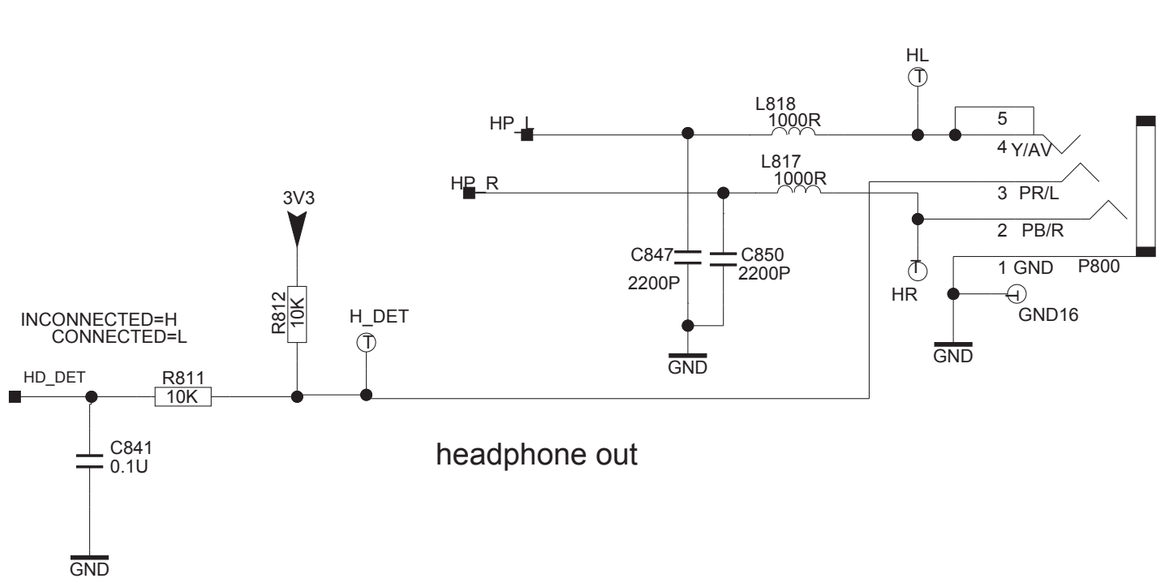


Placa Principal (Todos Modelos)

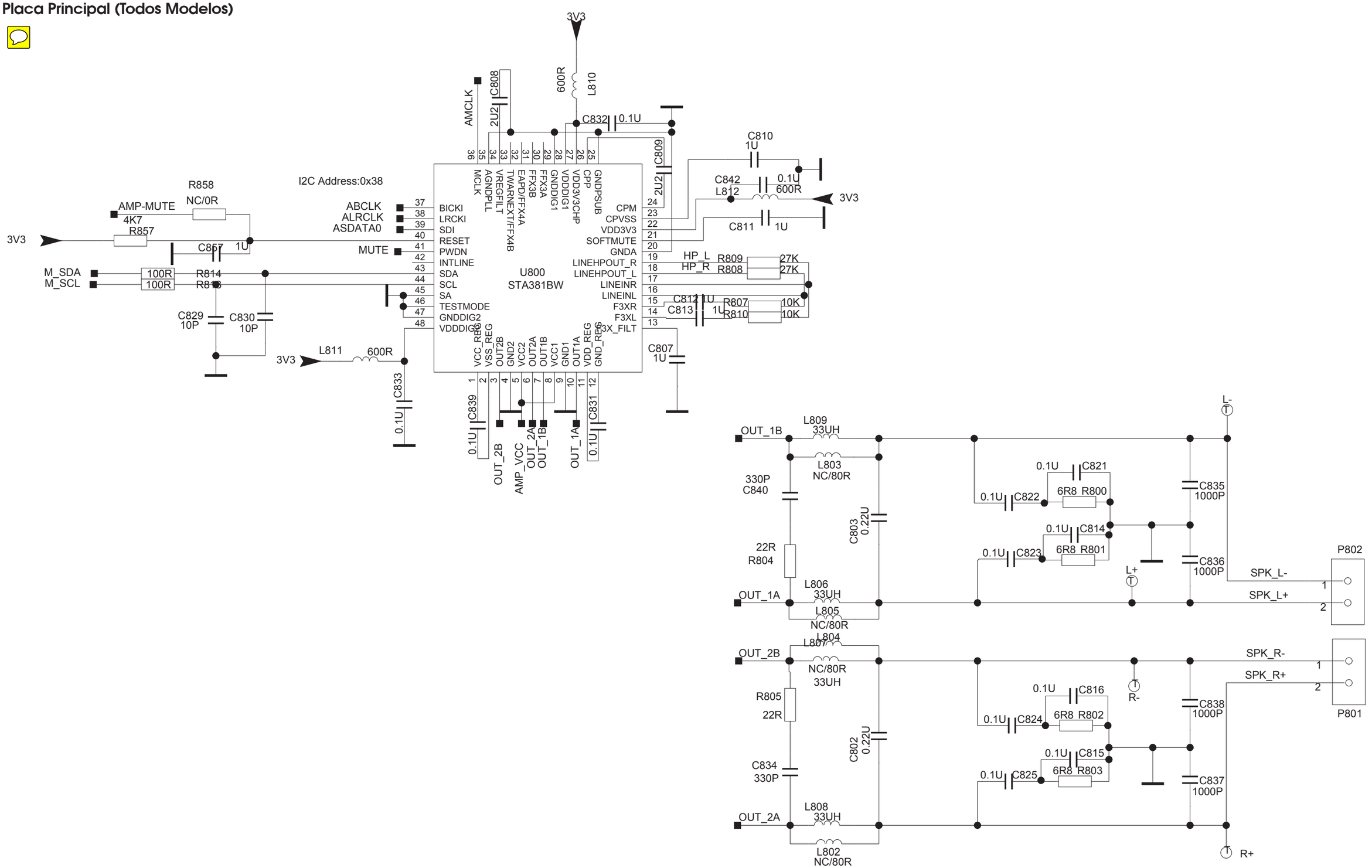




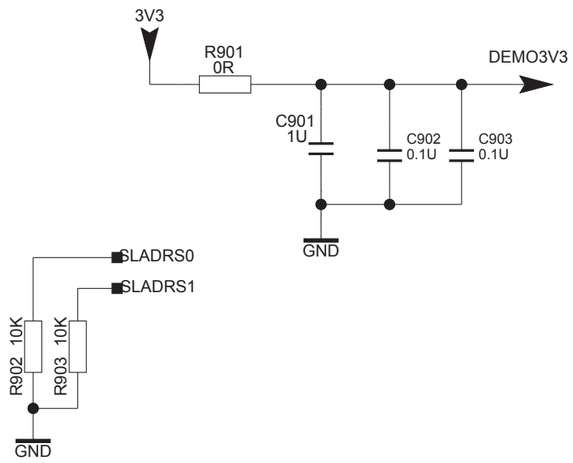


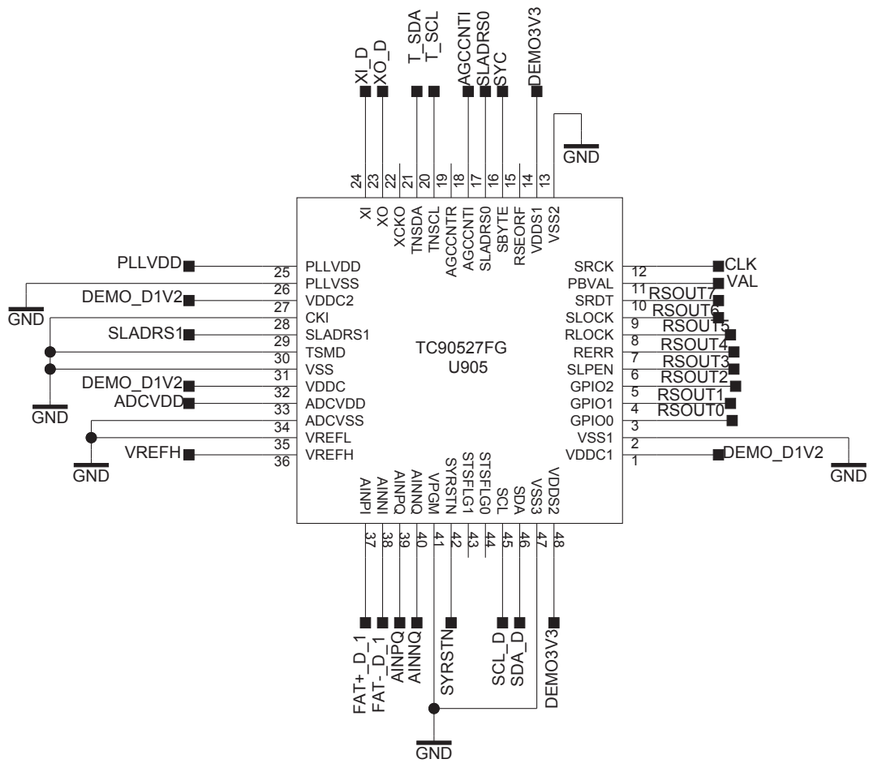


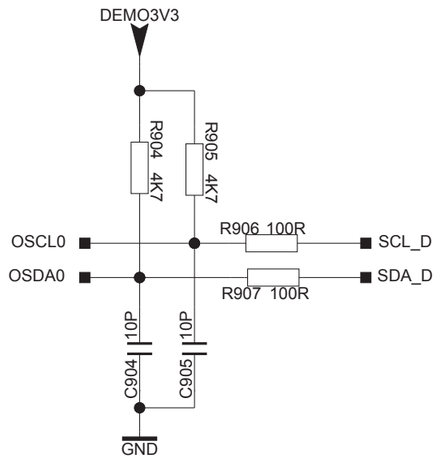
Placa Principal (Todos Modelos)

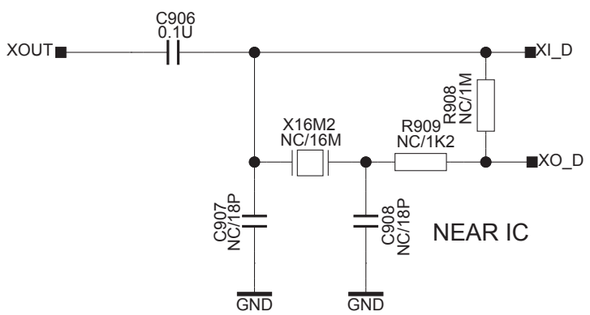


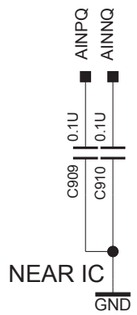
Placa Principal (Todos Modelos)

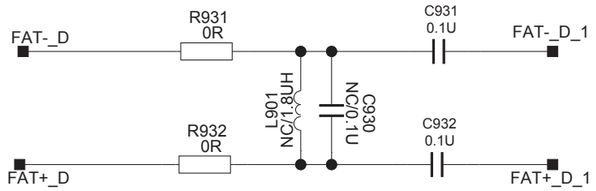




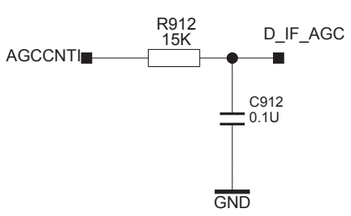


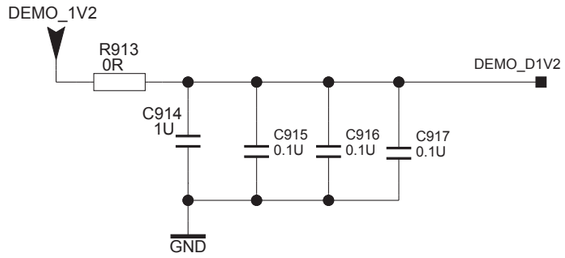


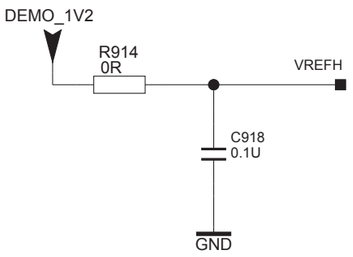


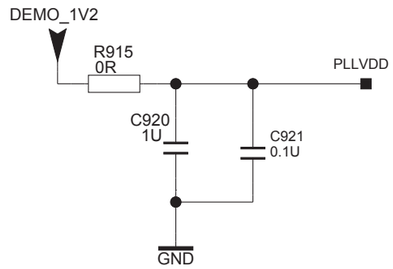


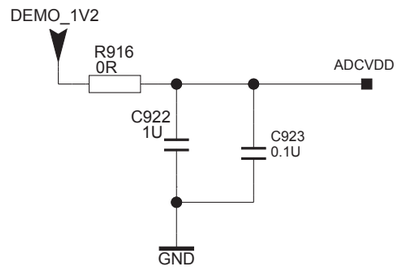
Placa Principal (Todos Modelos)

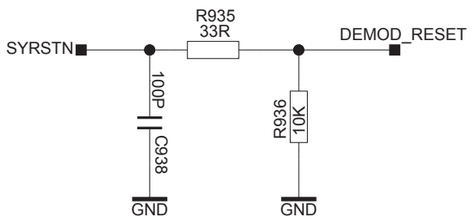


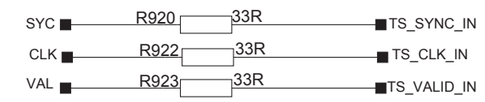


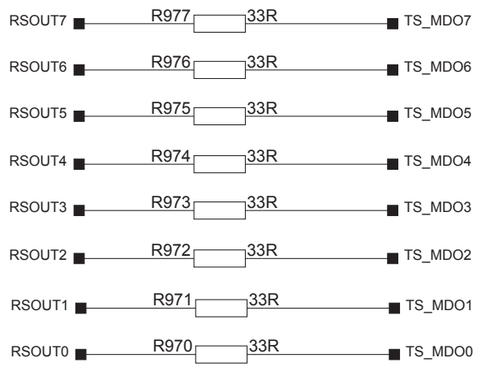




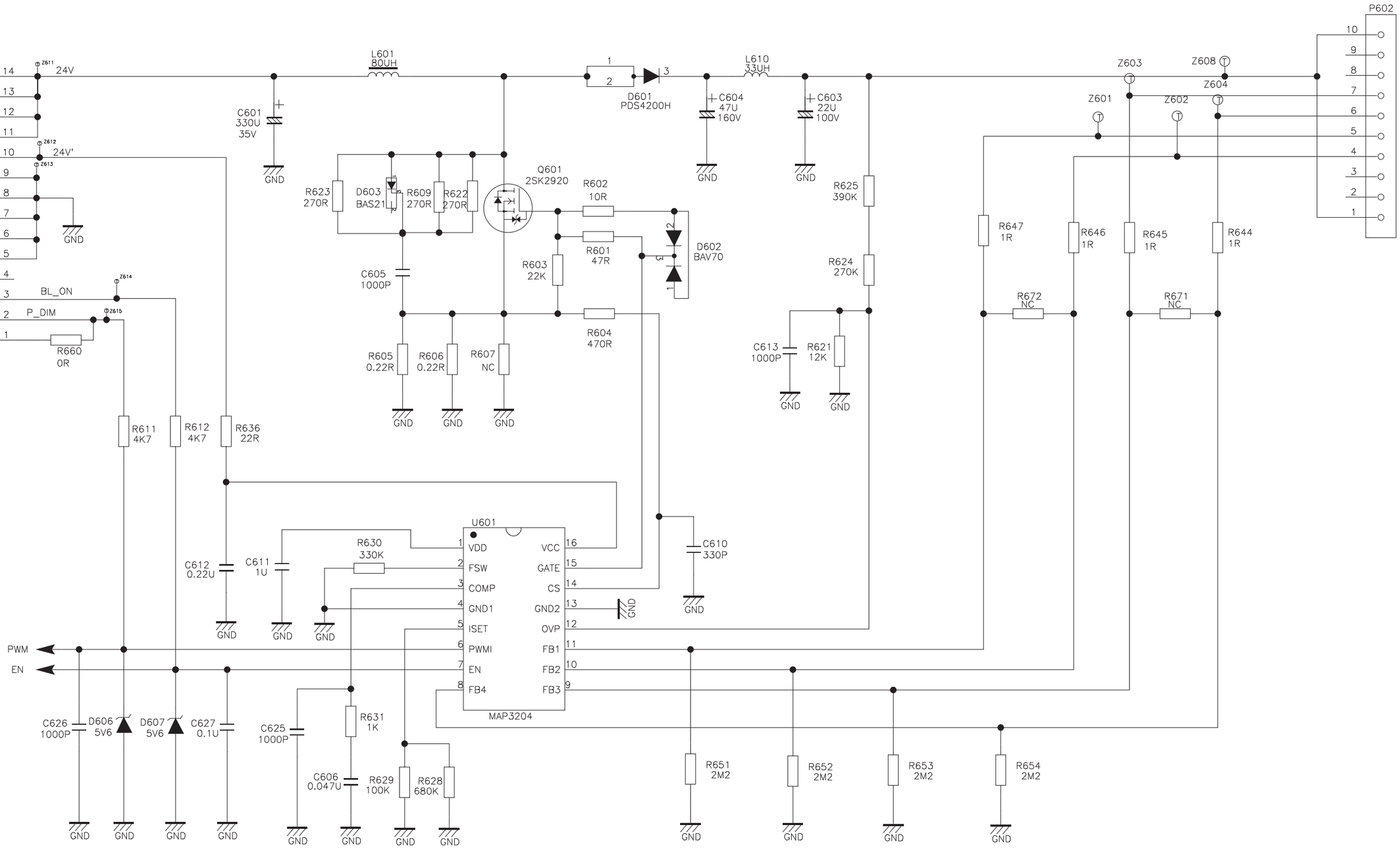




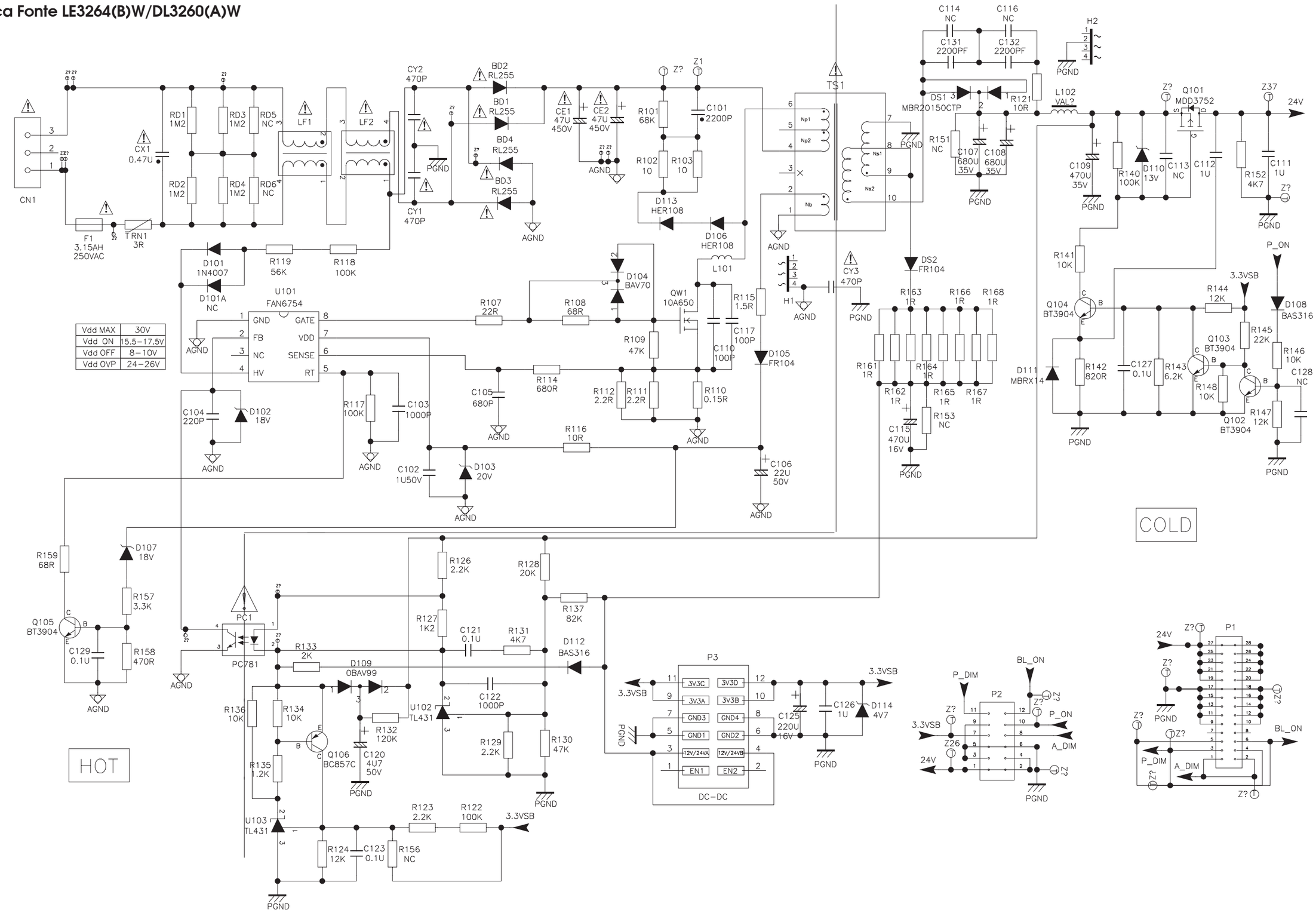




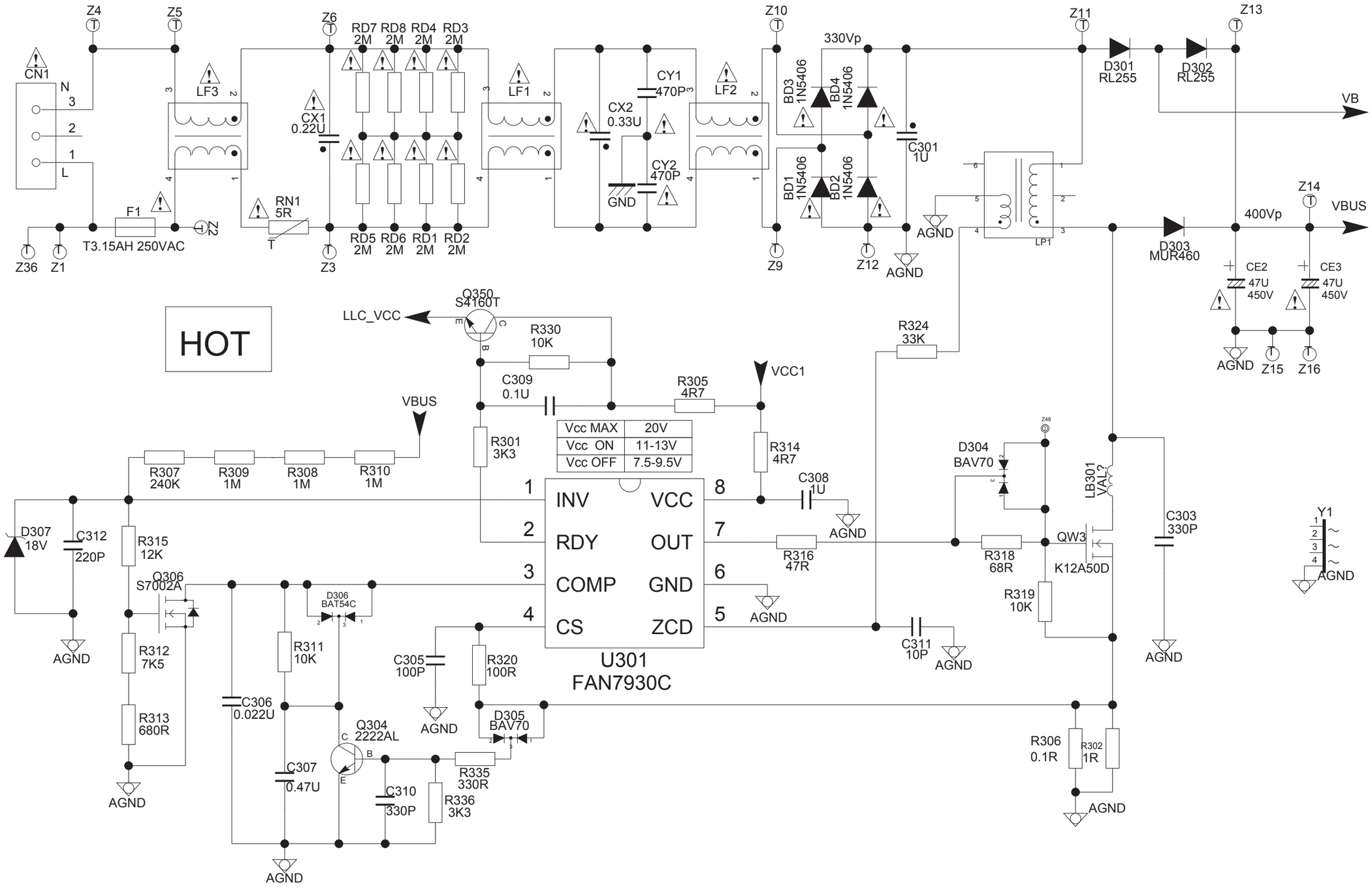
Placa Driver LE3264(B)W



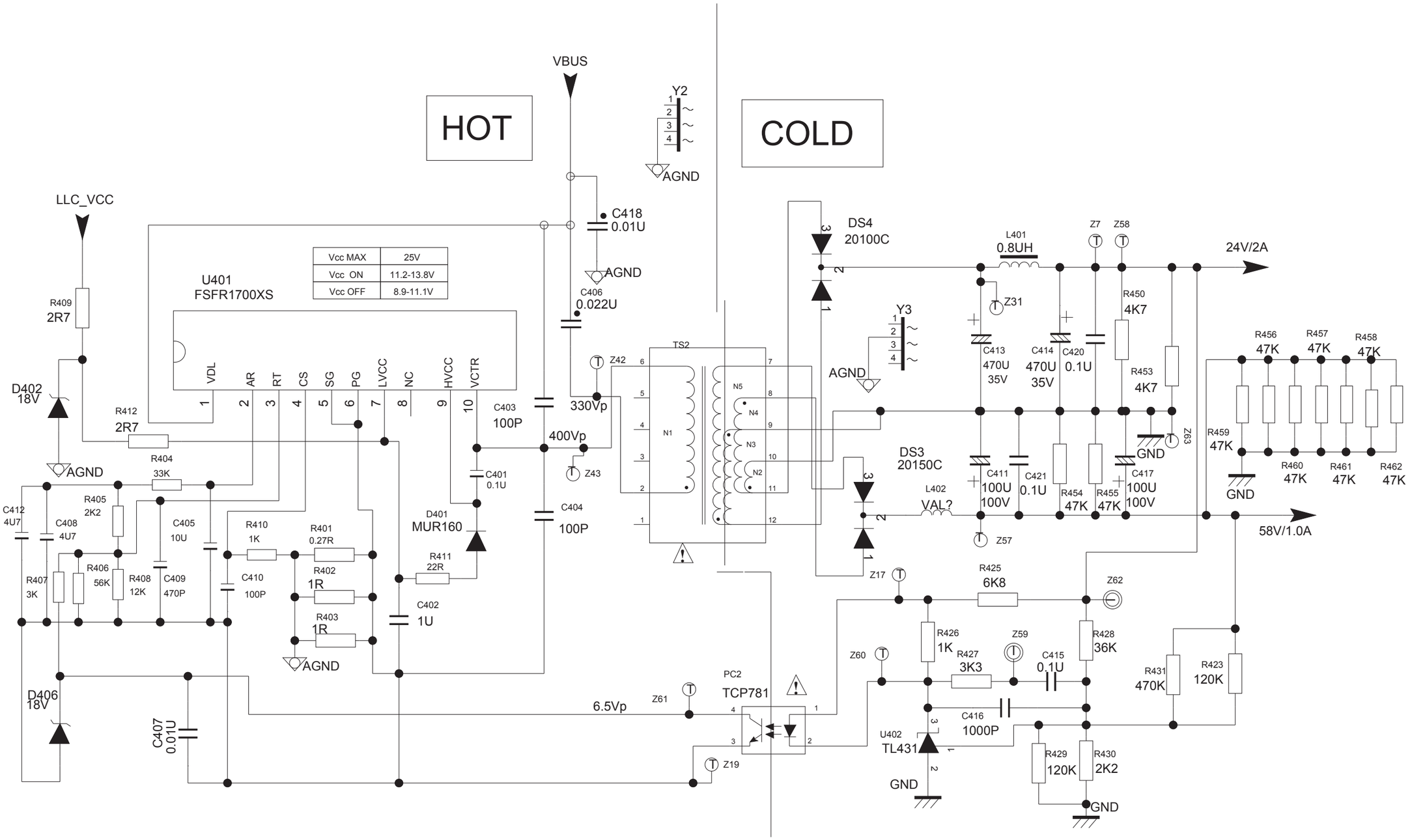
Placa Fonte LE3264(B)W/DL3260(A)W



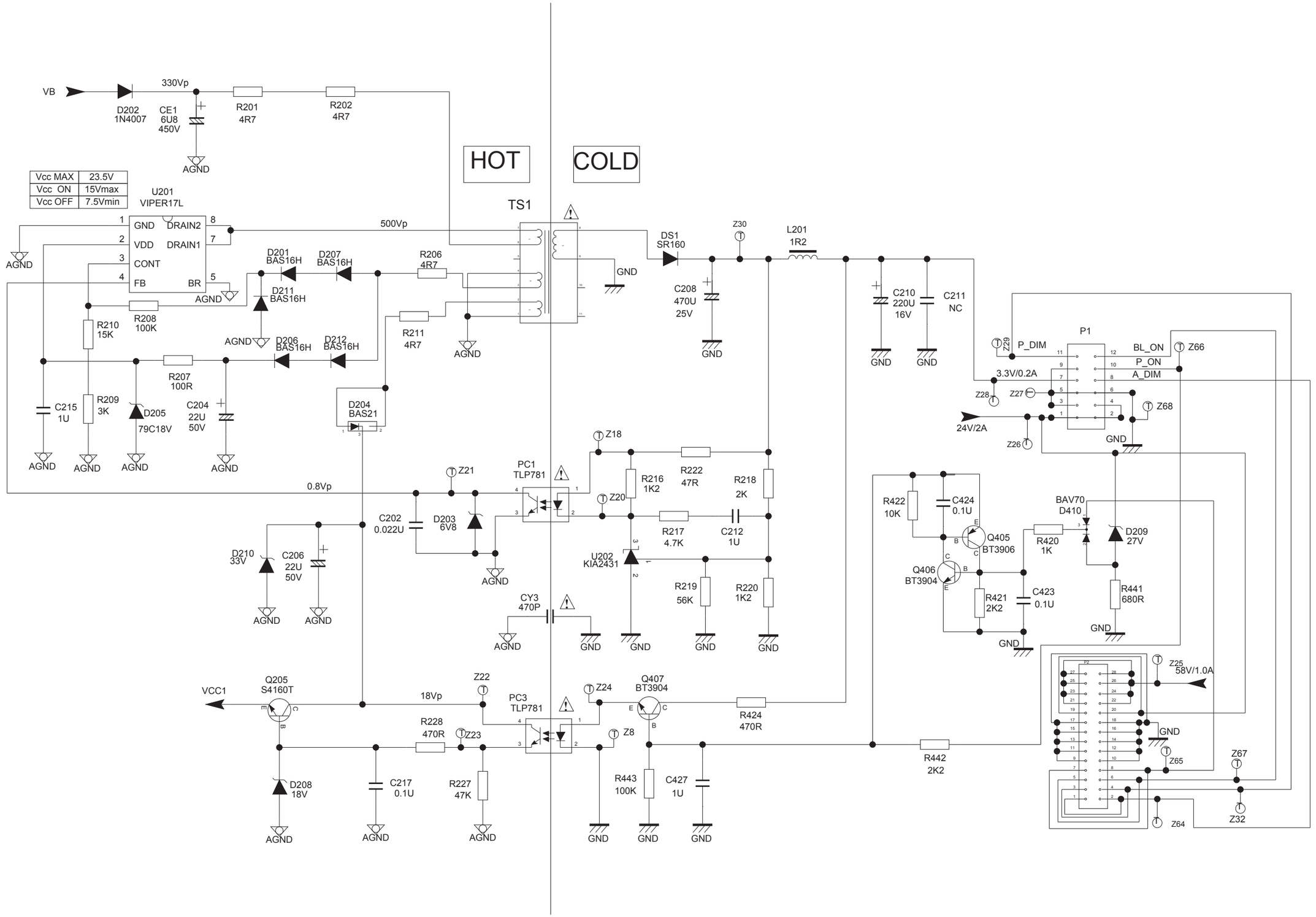
Placa Fonte LE4060(F)W/DL3960(A)F



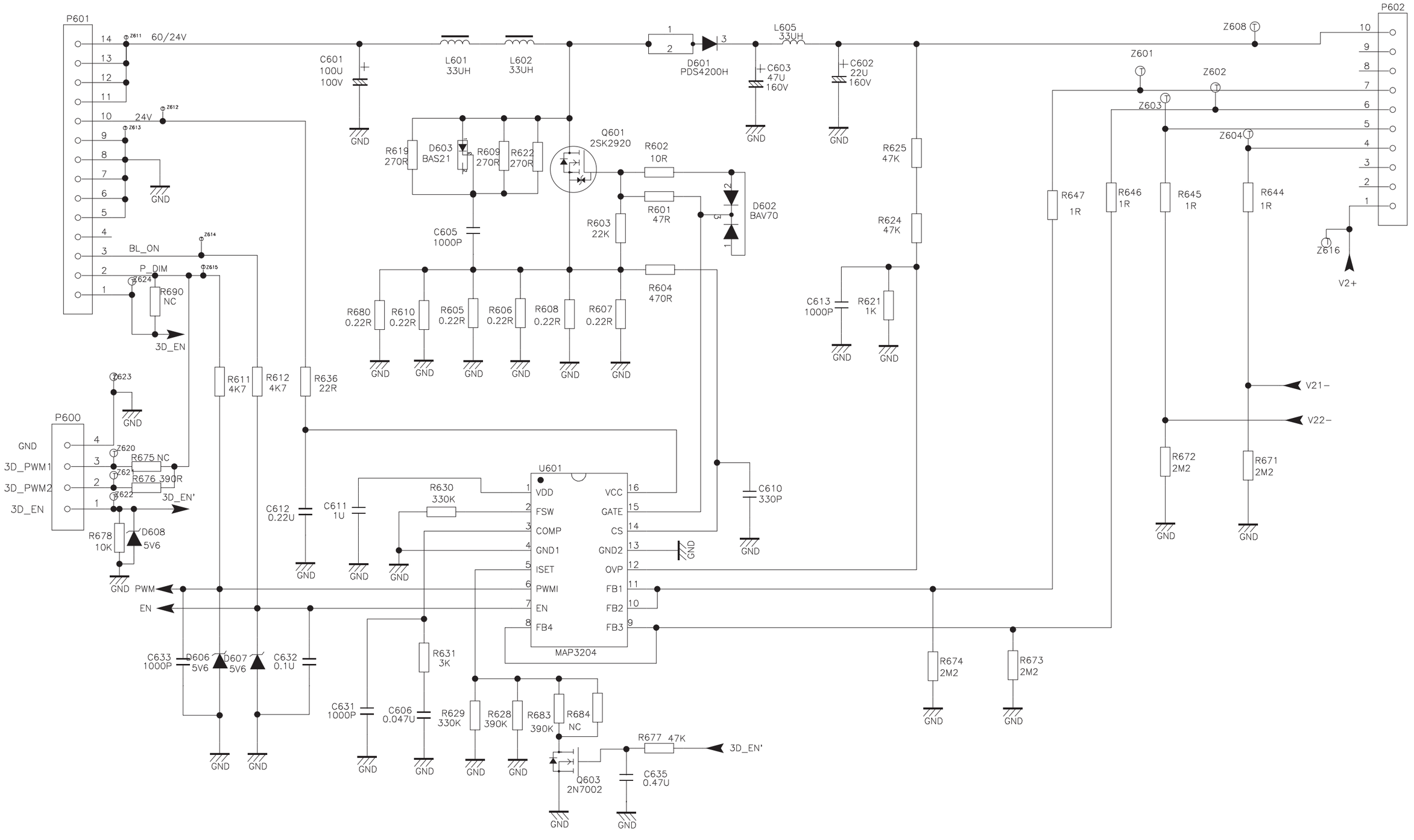
Placa Fonte LE4060(F)W/DL3960(A)F



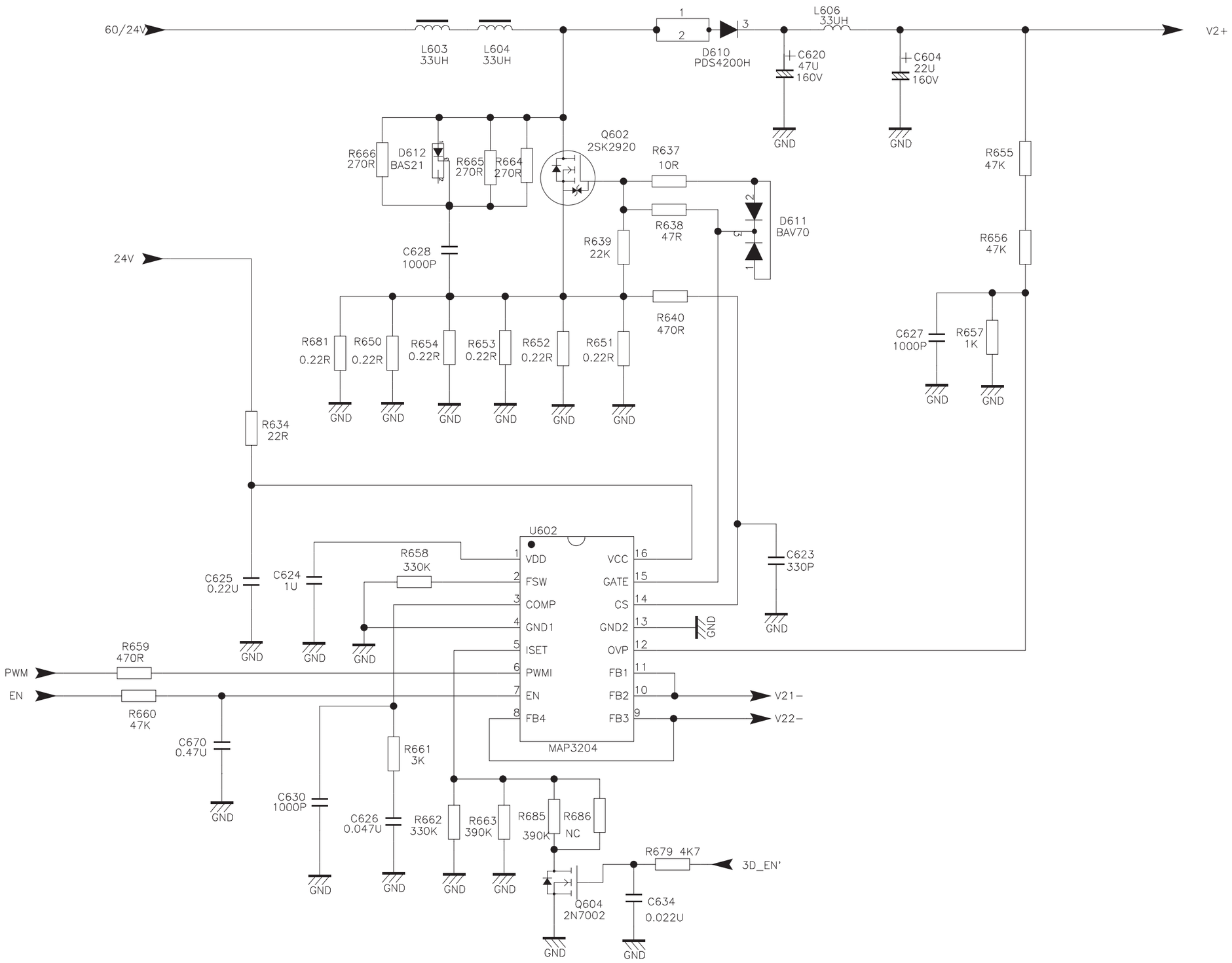
Placa Fonte LE4060(F)W/DL3960(A)F



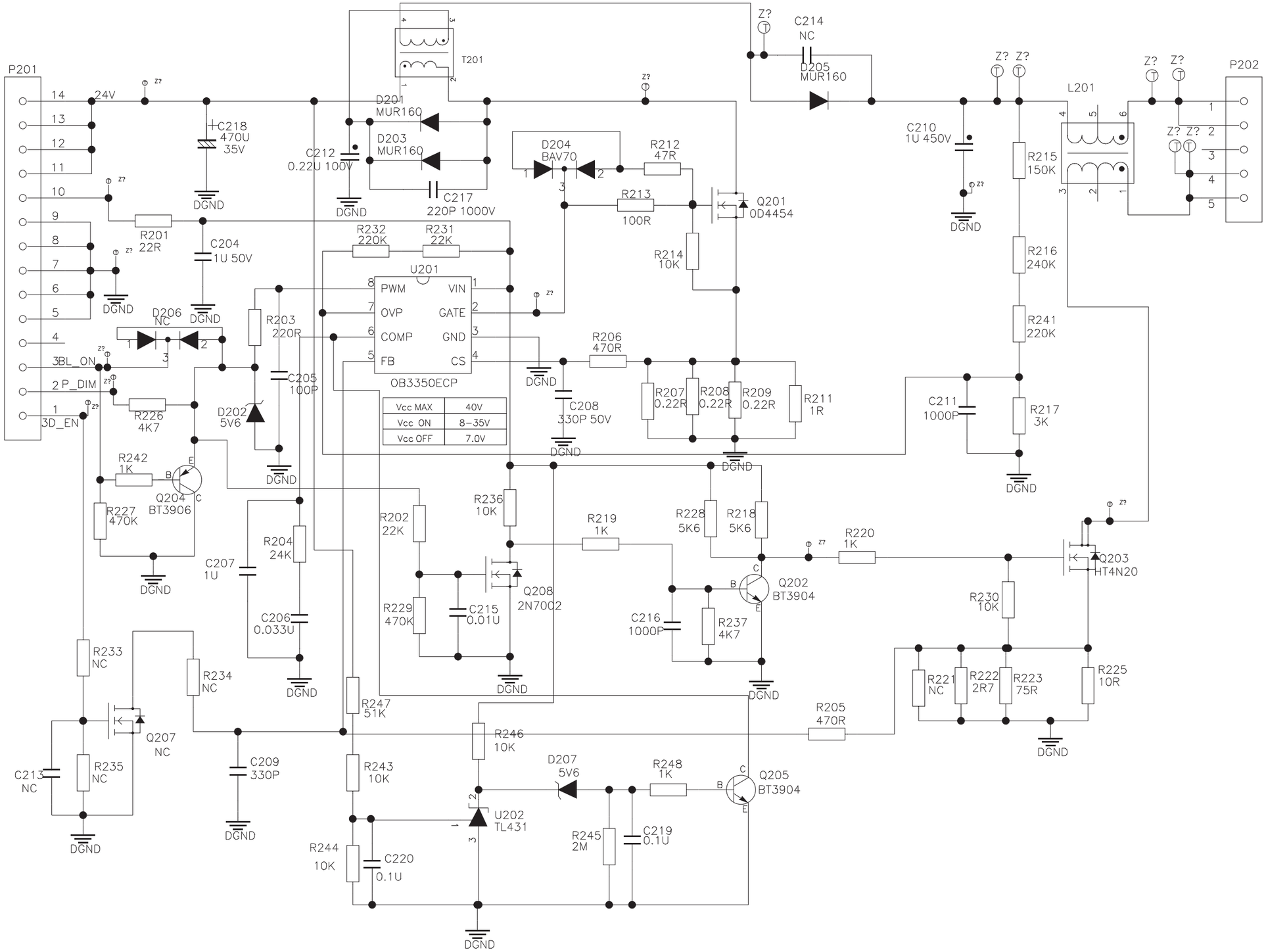
Placa Driver LE4060(F)W



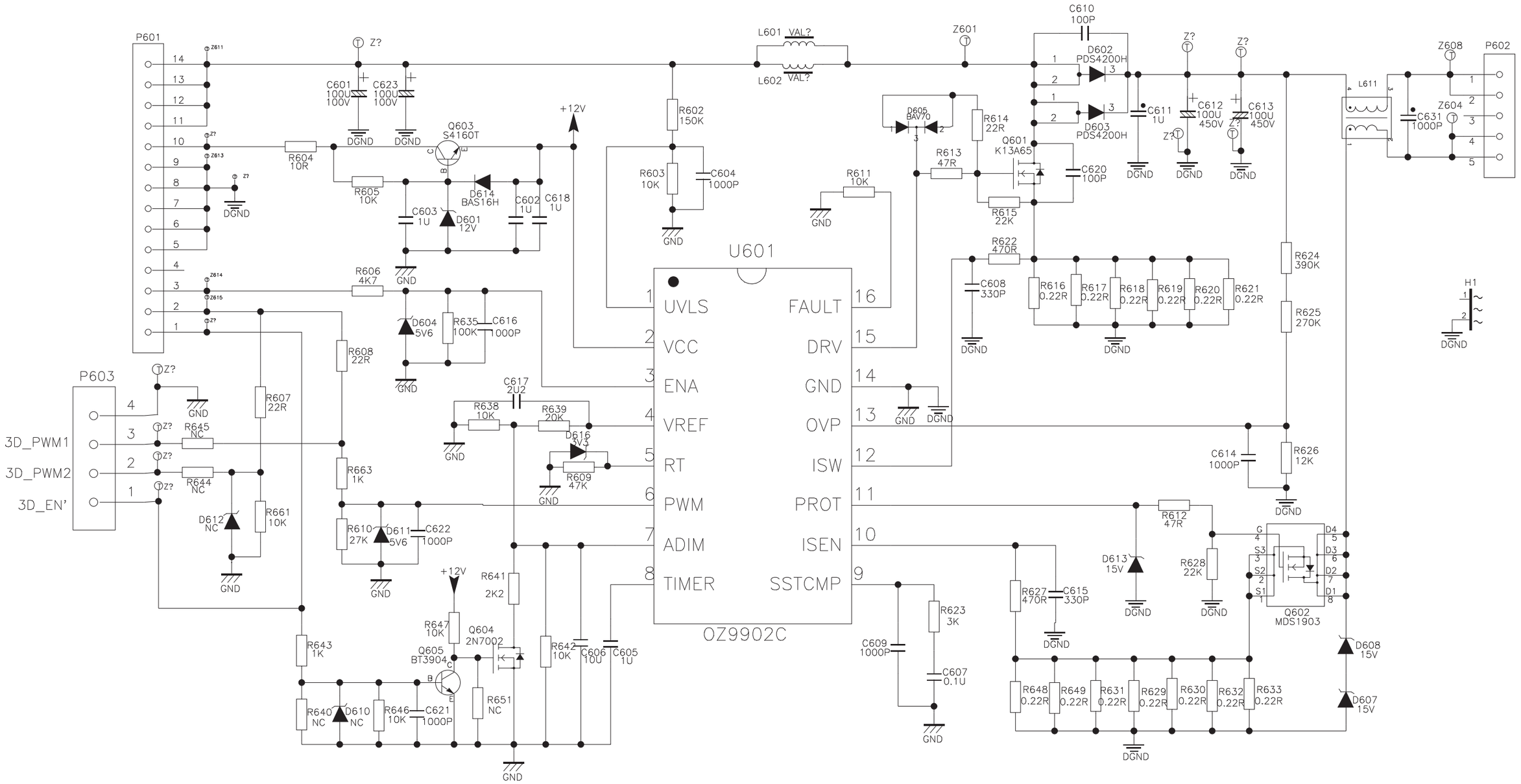
Placa Driver LE4060(F)W



Placa Driver DL3260(A)W



Placa Driver DL3960(A)F



LOCALIZAÇÃO COMPONENTES

PCI Principal LExx64B e DLxx60A

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C101	187,706	23,241	T	C227	81,534	78,359	T	C319	89,047	57,788	B
C102	175,044	11,748	T	C228	86,264	69,939	T	C320	120,226	80,318	B
C103	164,000	15,700	T	C229	132,969	46,863	T	C321	110,744	47,371	B
C104	161,385	21,435	T	C230	149,606	52,832	T	C322	69,088	44,323	B
C105	166,497	26,543	T	C231	176,577	124,035	T	C323	78,345	33,723	T
C106	174,625	21,590	T	C232	175,894	114,641	T	C324	59,228	27,935	T
C107	165,200	15,700	T	C233	189,509	109,347	T	C330	101,956	12,471	T
C108	170,200	6,800	T	C234	189,509	107,950	T	C331	107,802	12,414	T
C109	171,791	12,108	T	C235	65,824	63,322	T	C338	114,761	82,086	B
C110	161,385	20,335	T	C236	63,360	63,221	T	C339	112,979	35,560	B
C114	163,726	6,724	T	C237	60,071	58,750	T	C340	114,173	35,560	B
C115	166,579	5,953	T	C238	54,635	57,315	T	C341	95,250	32,804	B
C116	167,900	11,900	T	C239	57,468	57,315	T	C342	117,856	26,543	T
C117	166,400	13,800	T	C240	61,392	60,274	T	C344	115,556	26,543	T
C121	173,800	23,100	T	C243	158,387	102,460	T	C350	129,794	34,925	B
C122	173,800	24,700	T	C244	158,387	106,778	T	C351	133,858	34,925	B
C123	173,800	25,900	T	C245	158,641	109,318	T	C352	169,812	71,958	B
C124	173,800	28,300	T	C246	157,879	105,254	T	C353	119,355	36,728	T
C125	169,601	27,691	B	C247	158,115	120,167	T	C354	120,371	36,728	T
C126	168,184	27,696	B	C248	162,801	123,101	T	C355	123,444	35,052	T
C127	168,200	27,400	T	C249	162,306	120,040	T	C357	114,356	26,543	T
C128	169,600	27,400	T	C250	167,030	127,203	T	C358	113,256	26,543	T
C129	163,500	19,100	T	C251	190,627	72,136	T	C359	112,056	26,543	T
C130	163,600	23,500	T	C253	170,650	83,439	T	C362	110,956	26,543	T
C131	174,752	19,050	T	C254	171,831	83,439	T	C365	91,186	34,925	B
C132	174,752	20,066	T	C255	172,788	120,914	T	C367	115,824	29,845	T
C134	165,354	26,543	T	C256	184,275	116,241	T	C368	118,956	26,543	T
C135	170,598	15,989	T	C257	163,957	124,600	T	C369	112,522	40,640	B
C136	174,398	15,989	T	C258	187,833	104,800	T	C372	116,669	26,538	T
C141	166,400	11,900	T	C260	134,575	46,950	T	C373	172,098	74,244	B
C153	129,040	30,435	T	C261	145,733	88,862	T	C374	115,672	45,961	B
C200	189,178	98,582	T	C262	145,885	87,211	T	C375	122,555	44,704	B
C201	156,633	97,607	T	C263	150,343	82,220	T	C376	123,825	44,704	B
C202	168,740	107,901	T	C264	142,405	72,771	T	C377	115,189	47,117	B
C203	83,541	79,908	T	C265	142,265	74,435	T	C378	117,800	43,400	B
C204	88,801	73,384	T	C266	142,265	76,340	T	C379	110,548	75,368	B
C205	173,064	114,226	T	C267	142,469	78,372	T	C380	118,497	81,744	B
C206	183,459	123,487	T	C268	139,637	81,090	T	C381	112,270	76,165	B
C209	185,523	104,801	T	C269	139,637	79,832	T	C382	63,759	34,999	T
C210	156,566	95,276	T	C271	145,555	7,214	T	C383	112,522	30,480	B
C212	149,733	50,800	T	C272	145,567	18,910	T	C384	111,379	30,480	B
C213	167,259	119,380	T	C287	179,451	64,770	T	C385	113,211	45,637	B
C214	88,780	71,528	T	C288	182,753	70,231	T	C386	169,812	77,546	B
C216	173,380	83,160	T	C289	172,212	64,262	T	C388	155,105	74,270	B
C219	166,678	107,072	T	C301	73,279	30,988	B	C389	115,570	42,291	B
C220	155,983	93,260	T	C302	69,596	31,242	B	C390	114,935	37,211	B
C221	166,906	101,330	T	C303	111,760	52,134	B	C391	106,883	46,336	B
C222	66,421	67,310	T	C304	115,951	40,894	B	C392	111,503	42,706	B
C223	73,724	77,470	T	C305	115,443	38,735	B	C393	112,052	47,104	B
C224	60,452	48,006	T	C308	69,977	49,403	T	C394	113,233	53,188	B
C225	167,259	125,857	T	C315	109,004	48,968	B	C395	111,371	54,967	B
C226	169,545	127,254	T	C318	115,392	48,425	B	C396	113,144	56,350	B

LOCALIZAÇÃO COMPONENTES

PCI Principal LExx64B e DLxx60A

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C397	114,529	54,444	B	C509	104,825	15,329	T	C814	22,568	29,312	T
C398	115,714	59,464	B	C510	103,683	8,915	T	C815	31,750	34,671	T
C399	113,930	58,637	B	C511	101,942	11,297	T	C816	34,290	45,720	T
C400	120,565	72,617	B	C512	107,802	8,909	T	C821	30,099	35,814	T
C401	95,580	65,735	B	C513	105,867	11,303	T	C822	30,099	33,147	T
C402	80,010	59,055	B	C514	94,844	19,050	T	C823	26,543	30,099	T
C403	80,010	57,658	B	C515	199,300	84,100	T	C824	35,052	43,180	T
C404	85,971	62,949	B	C516	200,454	97,524	T	C825	31,750	37,338	T
C405	85,852	59,619	B	C521	197,041	129,609	T	C826	50,521	22,890	T
C406	84,430	64,999	B	C522	120,396	10,033	T	C827	46,736	35,560	T
C407	87,080	64,958	B	C523	97,917	15,367	T	C828	46,736	38,354	T
C408	110,748	79,853	B	C527	200,600	112,900	T	C829	53,086	44,450	T
C409	111,740	79,853	B	C528	130,211	9,806	T	C830	53,086	43,180	T
C410	118,159	77,729	T	C529	128,214	9,804	T	C831	47,752	33,274	T
C411	119,298	77,741	T	C530	135,021	9,799	T	C832	57,043	36,489	T
C412	82,375	62,652	B	C531	115,189	10,033	T	C833	50,038	41,910	T
C413	80,008	62,159	B	C532	196,746	124,537	T	C834	45,720	40,132	T
C414	83,393	63,987	B	C533	99,984	15,314	T	C835	32,385	31,750	T
C415	84,470	57,132	B	C534	102,347	16,485	T	C836	34,290	31,496	T
C416	87,630	59,436	B	C535	120,523	12,065	T	C837	30,099	38,100	T
C417	91,074	56,784	B	C536	125,227	11,943	T	C838	30,099	41,656	T
C418	88,278	56,435	B	C537	134,976	15,329	T	C839	48,260	42,164	T
C419	91,887	64,103	B	C538	200,807	68,308	T	C840	45,441	33,630	T
C420	81,293	56,243	B	C539	200,914	54,286	T	C841	192,405	14,478	T
C421	82,423	58,166	B	C540	199,913	40,493	T	C842	55,519	31,319	T
C422	82,225	59,275	B	C545	98,628	19,228	T	C843	94,488	41,783	B
C423	108,643	52,814	B	C546	89,510	7,112	T	C844	96,647	40,513	B
C424	108,382	55,681	B	C600	108,839	38,100	B	C845	94,488	40,767	B
C425	107,445	55,968	B	C701	192,418	170,929	T	C846	96,647	39,370	B
C426	106,968	52,269	B	C702	35,560	13,208	T	C847	187,452	4,572	T
C427	101,718	60,368	B	C703	148,336	103,505	T	C850	187,198	7,239	T
C428	101,708	58,976	B	C704	147,193	111,125	T	C857	58,044	42,281	T
C429	108,950	82,018	B	C705	147,193	112,776	T	C901	156,883	63,170	T
C430	109,084	79,761	B	C706	24,638	26,670	B	C902	158,902	63,881	T
C431	114,884	79,689	B	C707	31,242	26,924	B	C903	160,020	54,864	B
C432	109,000	76,474	B	C708	193,802	153,492	T	C904	159,900	66,300	T
C433	112,906	71,440	B	C741	200,444	179,476	T	C905	161,200	66,300	T
C434	109,003	71,528	B	C760	188,387	140,625	T	C906	169,500	51,400	T
C435	108,987	73,272	B	C761	189,695	137,922	T	C907	171,400	51,000	T
C436	117,000	70,329	B	C800	45,720	37,719	B	C908	171,400	53,100	T
C437	116,771	78,710	B	C801	45,720	35,687	B	C909	165,100	64,100	T
C438	115,087	75,179	B	C802	35,814	40,640	T	C910	163,900	64,100	T
C439	84,340	65,717	T	C803	35,941	31,623	T	C912	156,845	51,181	T
C440	84,328	66,898	T	C804	50,571	50,724	T	C914	169,037	59,055	T
C441	90,681	60,439	B	C806	45,974	39,370	B	C915	154,300	60,400	T
C442	104,554	74,072	B	C807	48,260	30,734	T	C916	168,656	57,404	T
C443	88,010	52,105	B	C808	58,420	38,862	T	C917	168,656	55,499	T
C444	97,650	33,934	B	C809	59,406	35,616	T	C918	168,783	62,992	T
C500	90,043	14,224	T	C810	58,928	34,036	T	C920	171,450	55,626	T
C501	199,644	81,280	T	C811	54,225	31,054	T	C921	168,783	53,848	T
C502	200,660	96,012	T	C812	50,800	30,734	T	C922	169,037	61,595	T
C507	105,131	17,348	T	C813	49,530	30,734	T	C923	168,783	60,198	T

LOCALIZAÇÃO COMPONENTES

PCI Principal LExx64B e DLxx60A

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C930	166,878	54,483	B	L201	163,689	91,917	T	Q131	157,861	21,412	T
C931	167,259	57,658	B	L202	177,623	103,974	T	Q132	157,988	15,494	T
C932	166,243	57,658	B	L204	89,052	78,232	T	Q133	152,781	21,412	T
C938	162,500	64,100	T	L206	62,992	56,769	T	Q134	153,035	15,113	T
CABLE	179,578	7,201	T	L207	57,468	58,725	T	Q201	180,157	117,391	T
CS	66,167	48,006	T	L208	57,468	55,931	T	Q207	175,882	131,699	T
CVBS	95,504	14,224	T	L209	65,659	61,087	T	Q208	181,089	135,306	T
D101	172,974	7,366	T	L210	64,059	61,062	T	Q209	181,089	131,686	T
D102	160,147	7,366	T	L211	61,341	55,880	T	Q301	74,041	30,988	T
D204	163,714	97,796	T	L215	148,488	76,886	T	Q302	67,191	34,501	T
D205	180,077	126,735	T	L300	121,285	44,577	B	Q500	107,235	6,347	T
D206	60,579	51,943	T	L301	119,050	41,224	B	Q501	102,903	6,189	T
D301	68,453	30,988	T	L302	117,602	38,481	B	Q502	94,615	16,129	T
D302	73,428	34,572	T	L620	201,214	70,307	T	Q503	89,535	11,557	T
F101	155,500	5,200	T	L621	201,214	56,297	T	Q600	56,134	8,636	T
F102	177,000	5,300	T	L622	200,198	43,012	T	Q601	199,263	7,874	T
F200	68,660	73,139	B	L800	152,400	127,508	T	Q602	40,983	15,354	T
F210	70,117	71,425	T	L806	41,148	26,162	T	Q700	147,066	106,807	T
F501	128,130	3,962	B	L807	41,148	48,260	T	Q701	150,495	112,395	T
F503	121,539	2,807	T	L808	41,148	40,894	T	Q708	187,845	135,097	T
F506	93,943	14,096	B	L809	41,148	33,528	T	Q709	188,892	143,906	T
F510	98,933	9,271	B	L810	59,355	37,217	T	Q800	60,269	30,983	T
F512	198,374	127,762	B	L811	50,292	43,434	T	Q801	57,536	23,952	T
F513	205,700	71,000	B	L812	56,791	30,999	T	Q803	53,868	23,952	T
F514	205,600	43,000	B	L817	187,452	8,509	T	R1	119,286	75,468	T
F515	205,700	57,000	B	L818	187,600	5,900	T	R2	118,172	75,455	T
F516	93,009	5,565	B	L901	166,878	55,880	B	R3	113,215	79,748	B
F517	205,900	113,000	B	LOUT	83,187	3,921	T	R4	80,124	60,767	B
F518	205,800	99,000	B	P200	57,455	63,475	T	R5	86,621	66,921	T
F519	205,700	85,000	B	P201	69,850	71,806	T	R6	86,621	65,702	T
F520	79,899	6,233	B	P202	164,146	129,167	T	R7	82,334	60,767	B
F521	86,360	7,747	B	P203	173,825	139,586	T	R8	85,102	52,512	T
F522	81,045	12,855	B	P500	210,000	130,500	T	R9	86,245	52,512	T
F523	128,420	10,189	B	P501	96,000	0,000	T	R10	104,960	75,837	T
F524	130,343	11,015	B	P503	210,000	99,000	T	R11	104,960	76,979	T
F525	134,010	6,807	T	P504	83,000	0,000	T	R12	86,245	52,512	B
F527	121,938	10,218	B	P505	210,000	57,000	T	R13	85,102	52,512	B
F528	134,112	2,819	T	P507	212,000	130,500	T	R15	100,838	43,307	B
F530	125,222	3,988	B	P508	128,000	0,000	T	R16	115,996	83,152	B
F531	129,395	3,810	B	P600	66,479	-1,493	T	R17	107,348	79,253	B
F601	44,501	13,157	T	P601	44,998	-1,428	T	R18	78,930	63,548	B
F602	43,409	13,157	T	P602	211,500	17,000	T	R19	82,829	54,899	B
F700	200,165	182,817	B	P700	199,500	157,000	T	R24	156,210	110,236	T
F701	200,292	158,153	B	P701	199,500	184,000	T	R25	156,180	112,129	T
F702	200,279	155,791	B	P701A	202,844	183,845	T	R100	189,738	17,145	T
F703	200,190	185,115	B	P702	133,929	108,381	T	R101	130,429	38,862	T
L101	164,900	12,200	T	P703	26,000	-1,500	T	R102	168,402	5,883	T
L102	169,300	12,100	T	P704	185,763	146,304	T	R103	166,400	15,700	T
L103	164,189	20,307	T	P705	187,414	147,434	T	R104	130,776	29,974	T
L104	164,186	21,420	T	P800	193,000	0,000	T	R105	130,772	31,115	T
L105	163,600	22,600	T	P801	24,257	36,043	T	R107	120,410	34,971	T
L106	163,600	24,400	T	P802	12,180	20,974	T	R109	119,357	34,980	T

LOCALIZAÇÃO COMPONENTES

PCI Principal LExx64B e DLxx60A

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
R110	173,800	27,100	T	R261	190,621	80,347	T	R372	151,244	65,151	T
R111	171,798	15,989	T	R262	190,647	77,299	T	R373	150,101	65,151	T
R112	173,098	15,989	T	R265	137,998	74,473	T	R374	149,212	63,983	B
R115	163,703	25,654	T	R266	139,395	74,473	T	R375	148,016	63,916	B
R116	155,308	22,111	T	R271	172,491	129,210	T	R376	147,416	66,016	B
R117	161,290	24,384	T	R272	176,479	134,226	T	R377	147,307	65,151	T
R121	171,737	13,986	T	R273	178,067	136,411	T	R378	146,116	66,016	B
R122	163,703	50,927	B	R274	178,486	132,982	T	R380	122,682	39,497	T
R123	163,576	53,340	B	R275	178,486	130,886	T	R381	131,826	34,925	B
R124	163,830	49,149	B	R281	185,661	70,231	T	R382	145,416	63,916	B
R125	163,703	52,197	B	R285	179,197	67,056	T	R383	171,844	71,958	B
R126	173,134	13,986	T	R287	137,109	65,786	T	R386	122,682	37,338	T
R171	161,290	22,606	T	R300	96,266	34,798	B	R388	114,356	24,543	T
R172	157,988	18,161	T	R301	93,980	34,925	B	R389	110,956	24,543	T
R173	155,575	14,859	T	R302	92,964	34,925	B	R390	120,015	25,527	T
R174	155,575	17,018	T	R303	95,250	34,798	B	R391	118,955	24,506	T
R175	151,600	17,590	T	R314	64,267	31,951	T	R392	112,522	38,735	B
R176	150,495	15,875	T	R315	65,786	31,242	T	R398	55,753	46,736	T
R198	151,600	18,720	T	R316	71,120	31,496	T	R400	104,960	75,836	B
R200	191,389	63,754	T	R317	77,075	33,723	T	R401	113,215	81,958	B
R205	157,625	101,190	T	R318	61,722	40,005	B	R403	171,844	70,815	B
R206	157,625	99,666	T	R319	76,517	31,285	T	R406	63,001	56,032	B
R207	158,133	103,730	T	R320	61,341	38,481	B	R408	98,679	41,529	B
R208	160,673	109,572	T	R321	69,520	33,996	T	R410	120,523	67,818	B
R209	158,387	108,048	T	R322	71,044	33,996	T	R414	100,838	41,910	B
R210	60,325	49,403	T	R323	63,886	33,729	T	R415	84,074	60,071	B
R219	82,015	71,194	T	R324	75,932	33,723	T	R416	112,649	78,359	B
R220	80,725	71,194	T	R325	61,341	41,656	B	R417	104,960	76,979	B
R221	79,373	71,194	T	R327	103,683	12,471	T	R418	83,020	52,435	T
R222	191,262	60,325	T	R329	105,867	12,471	T	R419	79,968	52,318	B
R223	184,132	113,161	T	R337	68,834	45,720	B	R420	79,972	52,435	T
R224	184,132	114,561	T	R338	68,326	42,926	B	R421	76,936	52,441	B
R225	174,312	120,914	T	R341	122,301	35,052	T	R422	76,988	52,437	T
R226	176,127	120,910	T	R342	98,425	35,941	B	R423	76,111	55,712	B
R227	176,127	118,116	T	R344	130,081	98,801	T	R424	76,111	55,712	T
R228	64,770	58,928	T	R345	132,588	98,806	T	R425	73,799	52,435	B
R237	65,024	57,658	T	R346	134,239	98,806	T	R426	74,597	58,798	T
R238	159,512	117,500	T	R347	131,191	98,806	T	R427	73,025	62,049	T
R239	167,005	124,562	T	R349	114,173	33,655	B	R428	104,884	79,062	B
R240	161,036	117,500	T	R350	112,979	33,655	B	R429	104,884	82,110	B
R241	157,988	117,500	T	R352	117,856	24,543	T	R430	104,884	82,110	T
R242	161,036	120,040	T	R354	115,556	24,543	T	R431	104,803	85,121	B
R243	162,979	117,437	T	R355	116,656	24,543	T	R432	104,821	85,133	T
R244	162,801	121,895	T	R358	172,098	79,781	B	R433	108,160	85,971	B
R245	57,772	54,635	T	R364	113,256	24,543	T	R434	108,160	85,971	T
R251	150,343	83,630	T	R365	112,056	24,543	T	R435	104,884	88,282	B
R252	142,037	82,550	T	R366	172,098	75,387	B	R436	111,247	87,485	T
R253	142,037	83,896	T	R367	171,844	72,974	B	R437	108,135	89,197	T
R254	142,037	85,255	T	R368	172,098	78,562	B	R438	114,485	89,781	T
R255	142,037	79,667	T	R369	172,098	76,403	B	R439	83,020	52,435	B
R256	142,037	81,090	T	R370	169,939	70,815	B	R440	72,885	55,687	B
R257	150,343	85,027	T	R371	172,098	77,546	B	R441	104,884	79,062	T

LOCALIZAÇÃO COMPONENTES

PCI Principal LExx64B e DLxx60A

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
R500	134,341	19,736	T	R633	198,882	10,795	T	R762	188,477	137,944	T
R501	107,036	3,645	T	R634	198,882	13,081	T	R763	187,260	138,055	T
R502	103,226	3,493	T	R635	56,134	4,572	T	R764	187,885	132,662	T
R503	86,748	13,430	T	R636	56,134	3,556	T	R781	193,878	137,693	T
R504	199,300	85,370	T	R637	74,422	13,208	T	R782	194,107	132,182	T
R505	199,300	82,830	T	R638	74,676	10,922	T	R800	27,940	36,068	T
R506	200,454	100,064	T	R639	198,882	15,367	T	R801	19,950	27,650	T
R507	200,454	98,794	T	R640	198,882	14,224	T	R802	32,004	42,926	T
R516	121,690	10,038	T	R641	64,764	10,934	T	R803	33,655	36,195	T
R518	196,787	131,661	T	R642	42,126	11,214	T	R804	45,872	29,743	T
R519	125,227	10,038	T	R643	40,932	11,214	T	R805	45,974	43,942	T
R520	197,000	127,839	T	R644	63,564	10,938	T	R806	49,652	26,050	T
R521	197,000	126,061	T	R645	61,051	10,956	T	R807	50,811	28,265	T
R522	199,913	41,692	T	R646	196,215	14,732	T	R808	52,158	28,364	T
R523	200,914	53,086	T	R647	39,713	12,814	T	R809	53,465	27,747	T
R524	200,807	67,208	T	R648	41,745	12,814	T	R810	49,561	28,271	T
R525	99,931	14,184	T	R649	196,215	13,462	T	R811	190,119	14,478	T
R526	100,037	16,534	T	R650	56,134	6,096	T	R812	190,119	15,748	T
R527	102,305	14,142	T	R651	62,205	10,932	T	R813	55,118	44,450	T
R528	102,326	15,329	T	R652	198,882	11,938	T	R814	55,118	43,180	T
R529	124,013	10,033	T	R653	39,738	11,214	T	R815	51,369	25,263	T
R531	122,809	10,033	T	R701	153,416	112,014	T	R816	49,652	24,846	T
R532	107,802	10,128	T	R702	150,368	106,680	T	R819	60,086	25,121	T
R533	101,956	8,915	T	R703	132,690	100,990	T	R821	57,851	43,591	T
R534	107,802	11,246	T	R704	159,512	120,040	T	R822	62,814	31,958	T
R535	103,683	11,303	T	R705	133,836	101,005	T	R823	99,060	40,259	B
R536	103,683	10,185	T	R706	133,096	103,251	T	R824	97,369	42,640	B
R537	105,848	8,955	T	R708	129,921	100,965	T	R825	99,060	39,243	B
R538	105,867	10,185	T	R709	134,421	103,258	T	R826	96,725	41,497	B
R539	101,956	10,185	T	R710	27,686	21,590	B	R857	57,863	40,831	T
R540	92,202	13,843	T	R711	24,384	21,590	B	R858	63,068	29,860	T
R541	91,567	16,891	T	R712	21,082	21,590	B	R901	164,719	66,675	T
R542	93,701	19,050	T	R713	22,606	21,590	B	R902	156,845	52,324	T
R543	91,567	15,748	T	R716	145,796	103,759	T	R903	168,656	56,515	T
R544	101,041	19,228	T	R717	147,066	103,759	T	R904	158,700	66,300	T
R545	95,987	19,050	T	R718	149,479	109,347	T	R905	162,400	66,300	T
R546	116,332	10,033	T	R719	146,939	109,474	T	R906	161,163	63,881	T
R547	130,211	11,076	T	R720	193,599	184,734	T	R907	160,063	63,881	T
R548	128,214	11,074	T	R721	193,599	183,401	T	R908	167,700	51,900	T
R549	135,021	11,069	T	R722	193,715	156,337	T	R909	169,500	52,600	T
R550	97,917	14,199	T	R723	193,703	157,541	T	R912	159,639	50,800	T
R551	97,587	17,983	T	R724	32,766	26,416	B	R913	172,212	58,039	T
R555	200,600	111,700	T	R726	131,267	100,965	T	R914	169,037	64,262	T
R556	117,602	10,033	T	R733	185,141	138,214	T	R915	172,847	55,626	T
R558	196,772	123,363	T	R734	182,613	139,471	T	R916	172,212	59,563	T
R560	118,999	10,033	T	R737	172,885	130,518	T	R920	154,051	53,086	T
R561	119,126	12,065	T	R741	204,305	174,904	T	R922	154,000	54,300	T
R562	131,912	10,597	T	R742	200,444	182,410	T	R923	152,000	54,900	T
R563	126,528	10,439	T	R743	200,444	181,242	T	R931	167,386	52,832	B
R564	133,320	10,597	T	R752	196,164	137,312	T	R932	166,370	52,832	B
R631	108,839	40,513	B	R758	183,820	139,471	T	R935	128,651	55,499	T
R632	106,601	38,455	B	R761	187,905	131,410	T	R936	128,651	56,572	T

LOCALIZAÇÃO COMPONENTES

PCI Principal LExx64B e DLxx60A

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
R970	151,900	59,700	T	U103	166,400	8,500	T	U401	85,520	59,549	T
R971	154,051	59,055	T	U200	183,230	76,461	T	U402	111,997	76,562	T
R972	151,900	58,500	T	U200A	183,128	73,311	T	U700	27,900	22,400	T
R973	154,000	57,900	T	U201	143,383	51,816	T	U701	195,377	134,544	T
R974	151,900	57,300	T	U202	80,716	75,290	T	U800	52,324	37,084	T
R975	154,000	56,700	T	U203	146,126	83,388	T	U905	161,900	57,200	T
R976	151,900	56,100	T	U204	179,877	123,635	T	USB1M	198,425	182,817	T
R977	154,000	55,500	T	U205	162,433	104,192	T	USB2M	198,476	155,816	T
TU101	177,000	4,000	T	U208	184,760	65,028	T	X16M1	178,943	19,685	T
TX1N	29,210	18,034	T	U209	143,993	13,602	T	X16M2	177,038	56,769	T
TX1P	31,750	15,494	T	U301	164,891	74,519	T	X300	131,826	35,433	T
TXC	20,320	16,256	T	U302	69,215	45,593	T	XOUT	171,937	26,565	B
U102	168,500	21,700	T	U303	111,022	51,062	T	Z208	146,558	52,451	T
								Z528	80,622	9,760	T

"T" TOP, considerar canto com o PLUG P703 (Porta LAN) do lado esquerdo inferior como início do X e Y.

"B" BOTTOM, considerar canto com o R710 (verso do P703) do lado direito inferior como início do X e Y.

Rod. Anhanguera, Km 39,5 - Jordanésia - Cajamar - tel. pabx (11) 3232 2200

SEMP TOSHIBA